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SURFACE OBSERVATION CLIMATIC SUMMARIES

for

HOLLOMAN AFB, NEW MEXICO

Prepared by

OL-A, USAFETAC
ASHEVILLE, NORTH CAROLINA
28801-2723



APRIL 1992

92-20922



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- 12A. DISTRIBUTION/AVAILABILITY STATEMENT: APPROVED FOR PUBLIC RELEASE, DISTRIBUTION IS UNLIMITED.
13. ABSTRACT: SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) PROVIDE STATISTICAL CLIMATIC SUMMARIES OF SURFACE WEATHER OBSERVATIONS TAKEN AND RECORDED AT SPECIFIED USAF, CIVILIAN AND FOREIGN OBSERVING STATIONS. HOURLY OBSERVATIONS ARE SUMMARIZED FROM A 10-YEAR PERIOD OF RECORD (POR). "SUMMARY OF DAY" (SOD) INFORMATION IS SUMMARIZED FROM ALL AVAILABLE DATA IN THE OL-A, USAFETAC CLIMATIC DATABASE.
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PREFACE

EFFECTIVE 1 JULY 1988, THE SURFACE OBSERVATION CLIMATIC SUMMARIES (SOCS) REPLACED TWO OTHER USAFETAC PRODUCTS OF LONG STANDING: THE RUSSWO (REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS) AND LISOCS (LIMITED SURFACE OBSERVATION CLIMATIC SUMMARY). RUSSWOS AND LISOCS NOW IN EXISTENCE WILL CONTINUE TO BE USED UNTIL THEY ARE EVENTUALLY REPLACED BY SOCS.

THIS PRODUCT HAS BEEN ISSUED IN OTHER FORMS UNDER SEVERAL OTHER NAMES. IT WAS INTRODUCED IN THE EARLY 1940'S AS THE "SFCSUM," OR "SURFACE SUMMARY." THE ORIGINAL "USSWO," OR "UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS," DEBUTED IN 1946. THE USSWO GRADUALLY EVOLVED INTO THE "RUSSWO" AND THE "LISOCS." IT FINALLY BECAME THE NEW "SURFACE OBSERVATION CLIMATIC SUMMARIES" OR "SOCS" IN JULY 1988.

THE SOCS (LIKE ITS PREDECESSORS) IS PREPARED BY USAFETAC'S OPERATING LOCATION A AT ASHEVILLE, NC 28801-2723. HERE, CLIMATOLOGISTS USE STATE-OF-THE-ART COMPUTER TECHNOLOGY TO SUMMARIZE WEATHER OBSERVATIONS COLLECTED FROM SELECTED MILITARY, CIVILIAN, AND FOREIGN REPORTING STATIONS. SUMMARIES ARE PREPARED FROM DATA THAT HAS BEEN COLLECTED, QUALITY-CONTROLLED, AND STORED IN OL-A'S WORLDWIDE SURFACE WEATHER OBSERVATION DATABASE.

ALTHOUGH PREVIOUS VERSIONS OF THIS PRODUCT ONLY OFFERED SIX PARTS, SOCS PROVIDES EIGHT (A-H). THE ADDITIONS ARE THE CROSSWIND AND HEATING-COOLING DEGREE DAY SUMMARIES. PRECEDING EACH PART IS A BRIEF DISCUSSION OF THAT PARTICULAR PART, A DESCRIPTION OF THE DATA, AND AN EXPLANATION OF HOW THE DATA IS PRESENTED.

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*** NOTE: THE AWS CLIMATIC BRIEF IS ATTACHED AT THE END OF THE SOCS ***

INTRODUCTION

STATION PERIOD OF RECORD.

HOURLY DATA: NOV 81 - OCT 91 (AIRWAYS).

SUMMARY OF DAY DATA: SEP 42 - JAN 46, NOV 47 - DEC 72, JUL 74 - OCT 91 (FULL TIME).

SUMMARY OF DAY DATA: FEB 46 - OCT 47, JAN 73 - JUN 74 (PART TIME).

HOURS SUMMARIZED: 0000 LST THROUGH 2300 LST.

DATA SOURCES. THESE SUMMARIES ARE COMPILED FROM "HOURLY OBSERVATIONS" AND/OR SUMMARY OF DAY DATA," DEPENDING ON THE PHENOMENA OR OCCURRENCE BEING SUMMARIZED. THE TWO SOURCES ARE DEFINED IN "TERMS EXPLAINED."

TERMS EXPLAINED:

BIVARIATE DISTRIBUTION: A BIVARIATE DISTRIBUTION GIVES THE JOINT DISTRIBUTIONS OF TWO RELATED VARIABLES. AN EXAMPLE IS THE BIVARIATE DISTRIBUTION OF CEILING AND VISIBILITIES IN PART D. EACH ROW AND EACH COLUMN OF A BIVARIATE DISTRIBUTION IS A FREQUENCY DISTRIBUTION. JOINT FREQUENCIES ARE FOUND AT THE ROW-COLUMN INTERSECTIONS.

HOURLY OBSERVATIONS: ALL RECORD OR RECORD-SPECIAL OBSERVATIONS ON AWS FORMS 10/10A (OR EQUIVALENT) AT SCHEDULED HOURLY INTERVALS.

SUMMARY OF DAY (SOD) DATA: DATA COMPILED FROM ALL AVAILABLE OBSERVATIONAL SOURCES, INCLUDING HOURLY OBSERVATIONS, SPECIAL OBSERVATIONS, REMARKS, AND ACTUAL "SUMMARY OF DAY" DATA RECORDED IN COLUMNS 44-73 OF AWS FORMS 10/10A (OR EQUIVALENT) FOR ANY GIVEN DAY. NOTE: EXTREMES OCCURRING DURING NON-OPERATIONAL HOURS AND/OR DAYS ARE NOT REFLECTED IN THESE SUMMARIES.

MEAN: THE SUM OF ALL THE VALUES DIVIDED BY THE NUMBER OF VALUES.

MEASURABLE AMOUNT: ANY PRECIPITATION OR SNOWFALL AMOUNT GREATER THAN A TRACE.

MEDIAN: THE MIDDLE VALUE WHEN THE VALUES ARE IN ASCENDING ORDER. IF THE NUMBER OF VALUES IS EVEN, THE MEDIAN IS HALFWAY BETWEEN THE TWO MIDDLE VALUES.

PERCENT OCCURRENCE FREQUENCY (POF): IN STATISTICS, FREQUENCY IS THE NUMBER OF TIMES A GIVEN COUNT OR EVENT OCCURS. IN THE SOCS, THIS IS EXPRESSED AS THE PERCENT OCCURRENCE FREQUENCY (POF), WHERE THE FREQUENCY (NUMBER OF OCCURRENCES) IS GIVEN AS A PERCENT OF ALL POSSIBLE OCCURRENCES IN THE SAMPLE (PERIOD SUMMARIZED). FOR EXAMPLE, IF SNOW FELL ON 5 OUT OF 100 DAYS WE COULD EXPRESS THE "PERCENT OCCURRENCE FREQUENCY" OF SNOW AS 5 PERCENT OVER THE 100-DAY PERIOD. MAY BE USED INTERCHANGEABLY WITH "PERCENT FREQUENCY OF OCCURRENCE."

PERIOD OF RECORD: THE SIZE OF THE OBSERVATIONAL DATA SAMPLE, IN YEARS.

PRECIPITATION: A TERM THAT INCLUDES BOTH LIQUID PRECIPITATION AND WATER EQUIVALENT.

STANDARD DEVIATION: A MEASURE OF DISPERSION ON THE VARIABILITY OF THE QUANTITY CONCERNED ABOUT ITS ARITHMETIC MEAN. THE LARGER THE STANDARD DEVIATION, THE GREATER THE VARIABILITY.

TIME CONVENTIONS: ALL TIMES IN THE SOCS ARE EXPRESSED IN LOCAL STANDARD TIME (LST). USERS SHOULD MAKE ADJUSTMENTS FOR DAYLIGHT SAVING TIMES IN THEIR AREAS. IN SUMMARIES THAT SHOW DIURNAL VARIATIONS, THE DATA IS SUMMARIZED USING THE FOLLOWING STANDARD 3-HOUR PERIODS (ALL LST):

| | |
|-----------|-----------|
| 0000-0200 | 1200-1400 |
| 0300-0500 | 1500-1700 |
| 0600-0800 | 1800-2000 |
| 0900-1100 | 2100-2300 |

NOTE 1. DURING PART TIME PERIODS, THE FIRST AND LAST 3-HOUR PERIODS MAY HAVE SIGNIFICANT SHORTFALLS IN OBSERVATION COUNTS.

ABBREVIATIONS USED:

| | | | |
|------|--------------------------|--------|------------------------------|
| ACT | AMOUNT | LT | LESS THAN |
| ANN | ANNUAL | M | METER |
| BARO | BAROMETER | MB | MILLIBAR |
| C | CENTIGRADE (CELSIUS) | MPS | METERS PER SECOND |
| DEG | DEGREE | MSL | MEAN SEA LEVEL |
| DB | DRY BULB TEMPERATURE | MEAS | MEASURABLE |
| DP | DEW POINT TEMPERATURE | NO. | NUMBER |
| BQ | EQUAL | OBS | OBSERVATION |
| F | FAHRENHEIT | OBST | OBSTRUCTION |
| FRZG | FREEZING | POF | PERCENT OCCURRENCE FREQUENCY |
| FT | FEET | PRECIP | PRECIPITATION |
| GE | GREATER THAN OR EQUAL TO | SD | STANDARD DEVIATION |
| GMT | GREENWICH MEAN TIME | SOD | SUMMARY OF DAY |
| GT | GREATER THAN | TEMP | TEMPERATURE |
| HG | INCHES OF MERCURY | TSTM | THUNDERSTORM |
| HT | HEIGHT | VSBY | VISIBILITY |
| KTS | KNOTS | VSN | VISION |
| LE | LESS THAN OR EQUAL TO | WB | WET BULB TEMPERATURE |
| LST | LOCAL STANDARD TIME | WBAN | AWS FORM 10/10A |
| | | UTC | *COORDINATED UNIVERSAL TIME |

SUMMARY DESCRIPTION: A BRIEF DESCRIPTION OF THE DATA PRECEDES EACH PART IN THE SOCS.

* UTC REPLACED GMT ON 1 AUGUST 1988

NOTE: OL-A/USAFETAC DERIVES STATION LATITUDE/LONGITUDE COORDINATES AND AIRFIELD ELEVATION DATA FROM THE AWS MASTER STATION CATALOG. THIS INFORMATION IS PRESENTED ON THE AWS CLIMATIC BRIEF FOR EACH STATION. THE STATION DATA MAY DIFFER FROM INFORMATION CONTAINED IN THE SOCS STATION HISTORY (DATA SUPPLIED BY AWS UNITS). THE STATION DATA MAY ALSO VARY FROM DATA PRESENTED IN DOD FLIGHT INFORMATION PUBLICATIONS (FLIP).

| STATION NO. ON SUMMARY | STATION NAME | LATITUDE | LONGITUDE | FLD ELEV (FT) | CALL SIGN | WMO NMBR |
|---------------------------|-----------------------------|----------|-----------|---------------|-----------|----------|
| 747320 | HOLLOMAN AFB/ALAMOGORDO, NM | N 32 51 | W 106 06 | 4093 | HMN | |

STATION LOCATION AND INSTRUMENTATION HISTORY

| Nbr of Loc | GEOGRAPHICAL LOCATION & NAME | Type of Station | At This Location | | LATITUDE | LONGITUDE | Elev Above MSL | | OBS PER DAY |
|---|------------------------------|-----------------------|------------------|--------|----------|-----------|----------------|-----------|-------------------|
| | | | From | To | | | FLD (FT) | BARO (FT) | |
| 1 | Holloman AAF, NM | AAF | Sep 42 | Mar 46 | N 32 51 | W 106 05 | 4069 | 4071 | 24 |
| 2 | Same | Same | May 46 | Oct 47 | Same | Same | Same | Same | 10 |
| 3 | Same | Same | Nov 47 | May 48 | Same | Same | Same | Same | 24 |
| 4 | Holloman AFB/Alamogordo, NM | AFB | Jun 48 | Mar 54 | Same | Same | Same | Same | 24 |
| 5 | Same | Same | Apr 54 | Mar 55 | Same | Same | 4092 | 4074 | 24 |
| 6 | Same | Same | Apr 55 | Feb 56 | Same | Same | 4102 | 4070 | 24 |
| 7 | Same | Same | Mar 56 | Feb 57 | Same | Same | 4094 | 4091 | 24 |
| 8 | Same | Same | Mar 57 | Mar 71 | Same | Same | 4093 | 4070 | 24 |
| 9 | Same | Same | Apr 71 | Dec 72 | Same | W 106 06 | Same | Same | 24 |
| 10 | Same | Same | Jan 73 | Jun 74 | Same | Same | Same | Same | 19 |
| 11 | Same | Same | Jul 74 | Jan 88 | Same | Same | Same | Same | 24 |
| MSC# thru Oct 81=722696 MSC# Nov 81 & later=747320 | | | | | | | | | |

| Nbr of Loc | Date of Change | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIP- MENT, OR REASON FOR CHANGE |
|------------------|-------------------|--|------------------------|---------------------|--------------------|--|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | |
| 1 | Sep 42 | NE part of Bldg A-216 | Anemometer | N/A | 29 ft | |
| 2 | Mar 46 | In center of Base Ops | Same | Same | 57 ft | |
| 3 | Apr 53 | Atop fire station | Selsyn | ML-144 | 55 ft | |
| 4 | Apr 54 | Atop bldg NE of wea station | Same | Same | 35 ft | |
| 5 | Apr 55 | 400'WSW stn, 300'SE of runway | AN/GMQ-11 | RO-2 | 13 ft | |
| 6 | Mar 58 | 3300' NW of station | Same | Same | Same | |
| 7 | Jan 71 | 1.500'E ctrln, 1200'end rwy 15 2.500'E ctrln, 1500'end rwy 33 | AN/GMQ-20 | Same | 12 ft | |
| 8 | Dec 79 | 1&2 Same | Same | RO-362 | Same | |
| 9 | Jan 88 | 1.Same 2.Same | Same Same | Same | 14 ft 14 ft | |

| | | | | |
|----------|------------|----------|------------|------------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTTTT | AAAAAA |
| PPPPPPPP | AAAAAAAA | RRRRRRRR | TTTTTTTTTT | AAAAAAAA |
| PP PP | AA AA | RR RR | TT | AA AA |
| PP PP | AA AA | RR RR | TT | AA AA |
| PPPPPPPP | AA AA | RRRRRRRR | TT | AA AA |
| PPPPPPPP | AAAAAAAAAA | RRRRRRRR | TT | AAAAAAAAAA |
| PP | AAAAAAAAAA | RR RR | TT | AAAAAAAAAA |
| PP | AA AA | RR RR | TT | AA AA |
| PP | AA AA | RR RR | TT | AA AA |
| PP | AA AA | RR RR | TT | AA AA |

A - 1 - 1

PART A

ATMOSPHERIC PHENOMENA SUMMARIES

THIS PART SUMMARIZES SPECIFIED ATMOSPHERIC PHENOMENA IN CATEGORIES AS FOLLOWS:

THUNDERSTORMS: ALL REPORTED OCCURRENCES OF THUNDERSTORMS, TORNADOES, AND WATERSPOUTS.

LIQUID PRECIPITATION: RAIN OR DRIZZLE FALLING TO THE GROUND BUT NOT FREEZING.

FREEZING PRECIPITATION: FREEZING RAIN OR FREEZING DRIZZLE (GLAZE).

FROZEN PRECIPITATION: SNOW, SNOW PELLETS, SLEET, SNOW GRAINS, ICE CRYSTALS, ICE PELLETS. IN JANUARY 1968, SNOW PELLETS BECAME KNOWN AS SMALL HAIL.

HAIL: ALL OCCURRENCES OF HAIL.

ALL PRECIPITATION: INCLUDES ALL OBSERVATIONS REPORTING PRECIPITATION. BECAUSE MORE THAN ONE TYPE OF PRECIPITATION MAY BE INCLUDED IN THE SAME OBSERVATION, THE SUM OF PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

FOG: INCLUDES ALL REPORTED FOG, ICE FOG, AND GROUND FOG.

SMOKE AND/OR HAZE: SMOKE, HAZE, OR COMBINATIONS OF THE TWO.

BLOWING SNOW: ALL REPORTS OF BLOWING SNOW, INCLUDING DRIFTING SNOW, WHEN REPORTED.

DUST AND/OR SAND: DUST, SAND, BLOWING DUST, BLOWING SAND, OR COMBINATIONS OF THESE.

BLOWING SPRAY: THE "ALL OBSTRUCTIONS TO VISION" CATEGORY ACCOUNTS FOR BLOWING SPRAY, IF AND AS REPORTED.

ALL OBSTRUCTIONS TO VISION: THIS CATEGORY INCLUDES ALL REPORTS OF OBSTRUCTIONS TO VISION. SINCE THE OCCURRENCE OF MORE THAN ONE OBSTRUCTION TO VISION MAY BE REPORTED IN THE SAME OBSERVATION, THE SUM OF THE PERCENTAGES IN THE INDIVIDUAL CATEGORIES MAY EXCEED THE PERCENTAGES IN THIS CATEGORY.

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY (POF) FOR THE ATMOSPHERIC PHENOMENA SHOWN. THE DATA WAS TAKEN FROM HOURLY OBSERVATIONS ONLY, AND IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SPECIFIED PHENOMENA--PERCENT OCCURRENCE FREQUENCY (POF).

THIS TABLE IS THE ONLY ONE IN PART A THAT IS PRODUCED FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED MONTHLY AND ANNUALLY FOR ALL YEARS COMBINED.

THUNDERSTORMS--PERCENT OCCURRENCE FREQUENCY.

THIS TABLE GIVES THE PERCENT OCCURRENCE FREQUENCY OF THUNDERSTORMS REPORTED ON THE HOURLY OBSERVATION. DATA IS SUMMARIZED SAME AS FOR FIRST TABLE IN THIS PART.

SPECIFIED PHENOMENA VS WIND DIRECTION--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES INCLUDE SUMMARY OF MONTH FOR ALL HOURS AND YEARS COMBINED. WIND DIRECTION CATEGORIES ARE AS SPECIFIED BY THE LOCAL WEATHER STATION.

NOTE 1: REPORTING PRACTICES HAVE CHANGED WITH TIME. METAR AND SYNOPTIC REPORTING STATIONS RECORD (ON AWS FORMS 10/10A) AND TRANSMIT LONGLINE ONLY THE HIGHEST ORDER ATMOSPHERIC PHENOMENA THAT AFFECTS VISIBILITY. METAR STATIONS STARTED THIS PROCEDURE IN JANUARY 1968, BUT SYNOPTIC STATIONS ALWAYS DID IT THAT WAY. IN JANUARY 1970, METAR STATIONS STARTED RECORDING ALL ATMOSPHERIC PHENOMENA THAT AFFECTED VISIBILITY, BUT CONTINUED TO TRANSMIT ONLY THE HIGHEST ORDER. FOR EXAMPLE, IF THE RECORDED OBSERVATION INCLUDED RAIN, FOG AND HAZE, ONLY THE RAIN WAS TRANSMITTED. BECAUSE OF THESE PROCEDURES, THE USAFETAC DATABASE WOULD SHOW ONLY RAIN AS AN OBSTRUCTION. THEREFORE, THE OBSTRUCTION TO VISION (AND TO A LESSER EXTENT, PRECIPITATION) SUMMARIES FOR METAR AND SYNOPTIC STATIONS ARE HIGHLY QUESTIONABLE.

NOTE 2: FOREIGN METAR REPORTING STATIONS FREQUENTLY DO NOT TRANSMIT OBSTRUCTIONS TO VISION WHEN VISIBILITIES EXCEED 1000 METERS.

NOTE 3: A VALUE OF ".0" IN ANY SUMMARY REPRESENTS ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

NOTE 4: DURING PART TIME PERIODS, THESE TABLES MAY NOT ACCURATELY REFLECT NIGHTTIME AND/OR WEEKEND OCCURRENCES OF CERTAIN PHENOMENA.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN

| HOURS (LST) | TSMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|----------------|------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02 | | 1.3 | | 1.7 | | 3.0 | 1.7 | | | .1 | 4.8 | 930 |
| 03-05 | | 1.7 | .1 | 2.9 | | 4.7 | 2.0 | | | | 6.8 | 930 |
| 06-08 | .1 | 1.4 | | 2.2 | | 3.5 | 3.3 | | | .1 | 7.0 | 930 |
| 09-11 | .1 | .8 | | 1.8 | | 2.6 | 3.5 | | | .1 | 6.2 | 930 |
| 12-14 | | 1.1 | | 1.4 | | 2.5 | 1.6 | | | .2 | 4.3 | 930 |
| 15-17 | .1 | 1.5 | | 1.4 | | 2.9 | .9 | | | .1 | 3.9 | 930 |
| 18-20 | | 1.9 | | .4 | | 2.4 | 1.9 | | | | 4.3 | 930 |
| 21-23 | | 2.9 | | 1.3 | | 4.2 | .8 | | | | 4.9 | 930 |
| ALL HOURS | .0 | 1.6 | .0 | 1.6 | | 3.2 | 2.0 | | | .1 | 5.3 | 7440 |

MONTH: FEB

| | | | | | | | | | | | | |
|--------------|----|-----|--|-----|----|-----|-----|--|--|-----|-----|------|
| 00-02 | | 2.0 | | 1.9 | | 3.9 | .9 | | | | 4.8 | 846 |
| 03-05 | .1 | 2.7 | | 2.2 | | 5.0 | 1.4 | | | .2 | 6.6 | 846 |
| 06-08 | .1 | 2.5 | | 2.0 | | 4.5 | 1.8 | | | | 6.3 | 846 |
| 09-11 | .1 | 2.8 | | 1.9 | | 4.7 | 1.5 | | | .1 | 6.4 | 846 |
| 12-14 | .1 | 2.2 | | 1.5 | | 3.8 | .2 | | | .2 | 4.3 | 846 |
| 15-17 | .5 | 3.4 | | .8 | .1 | 4.4 | .7 | | | 1.4 | 6.5 | 846 |
| 18-20 | .6 | 2.1 | | .7 | | 2.8 | .7 | | | 1.3 | 4.8 | 846 |
| 21-23 | | 1.9 | | .5 | | 2.4 | .4 | | | .2 | 3.0 | 846 |
| ALL HOURS | .2 | 2.5 | | 1.4 | .0 | 3.9 | 1.0 | | | .4 | 5.3 | 6768 |

A - 2 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR

| HOURS (LST) | TSTMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02 | .1 | 1.8 | | .1 | | 1.9 | | | | 1.0 | 2.9 | 930 |
| 03-05 | .1 | 2.2 | | .4 | | 2.6 | .1 | | | .6 | 3.3 | 930 |
| 06-08 | | 2.9 | | .9 | | 3.8 | .2 | | | | 4.0 | 930 |
| 09-11 | | 2.9 | | 1.0 | | 3.9 | | | | .4 | 4.3 | 930 |
| 12-14 | .1 | 1.8 | | .3 | .1 | 2.3 | .1 | | | 2.0 | 4.4 | 930 |
| 15-17 | | .9 | | | | .9 | | | | 2.8 | 3.7 | 930 |
| 18-20 | | 1.2 | | | | 1.2 | | | | 2.8 | 4.0 | 930 |
| 21-23 | | 1.9 | | | | 1.9 | | | | 1.5 | 3.4 | 930 |
| ALL HOURS | .0 | 1.9 | | .3 | .0 | 2.3 | .1 | | | 1.4 | 3.8 | 7440 |

MONTH: APR

| | | | | | | | | | | | | |
|--------------|----|-----|--|-----|----|-----|-----|----|--|-----|-----|------|
| 00-02 | .4 | .3 | | 1.3 | | 1.7 | .7 | .1 | | 1.1 | 3.6 | 900 |
| 03-05 | | .9 | | 1.2 | | 2.1 | .3 | .3 | | 1.4 | 4.2 | 900 |
| 06-08 | | 1.1 | | 1.2 | | 2.3 | 1.1 | .2 | | .9 | 4.6 | 900 |
| 09-11 | .2 | 1.2 | | 1.1 | | 2.3 | 1.1 | .2 | | 1.1 | 4.8 | 900 |
| 12-14 | .2 | 1.0 | | 1.3 | .1 | 2.4 | 1.1 | | | 1.9 | 5.4 | 900 |
| 15-17 | .9 | 1.8 | | .9 | | 2.7 | .6 | | | 4.6 | 7.8 | 900 |
| 18-20 | .4 | 1.3 | | 1.0 | | 2.3 | .7 | | | 3.9 | 6.9 | 900 |
| 21-23 | .4 | .9 | | 1.0 | | 1.9 | .7 | | | 1.3 | 3.9 | 900 |
| ALL HOURS | .3 | 1.1 | | 1.1 | .0 | 2.2 | .8 | .1 | | 2.0 | 5.1 | 7200 |

A - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY

| HOURS (LST) | TSIMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02 | .5 | .8 | | | | .8 | | | | .6 | 1.4 | 930 |
| 03-05 | .2 | 1.0 | | | | 1.0 | .3 | | | | 1.3 | 930 |
| 06-08 | .1 | 1.2 | | | | 1.2 | | | | | 1.2 | 930 |
| 09-11 | .2 | 1.1 | | | | 1.1 | | | | | 1.1 | 930 |
| 12-14 | 1.6 | 1.2 | | | | 1.2 | | | | | 1.2 | 930 |
| 15-17 | 3.1 | 2.9 | | | | 2.9 | | | | .6 | 3.5 | 930 |
| 18-20 | 2.2 | 2.9 | | | | 2.9 | | | | 1.2 | 4.1 | 930 |
| 21-23 | 1.3 | 1.5 | | | | 1.5 | | .1 | | 1.1 | 2.7 | 930 |
| ALL HOURS | 1.2 | 1.6 | | | | 1.6 | .0 | .0 | | .4 | 2.1 | 7440 |

MONTH: JUN

| | | | | | | | | | | | | |
|--------------|-----|-----|--|--|--|-----|----|----|--|----|-----|------|
| 00-02 | 1.1 | 2.7 | | | | 2.7 | .4 | | | | 3.1 | 900 |
| 03-05 | .6 | 1.4 | | | | 1.4 | .2 | | | | 1.7 | 900 |
| 06-08 | | 1.1 | | | | 1.1 | | .1 | | .2 | 1.4 | 900 |
| 09-11 | .4 | 1.6 | | | | 1.6 | | | | | 1.6 | 900 |
| 12-14 | 1.3 | 2.4 | | | | 2.4 | | | | | 2.4 | 900 |
| 15-17 | 2.7 | 3.0 | | | | 3.0 | | | | .6 | 3.6 | 900 |
| 18-20 | 3.6 | 3.3 | | | | 3.3 | | | | .1 | 3.4 | 900 |
| 21-23 | 1.7 | 3.3 | | | | 3.3 | .2 | | | .3 | 3.9 | 900 |
| ALL HOURS | 1.4 | 2.4 | | | | 2.4 | .1 | .0 | | .2 | 2.6 | 7200 |

A - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL

| HOURS (LST) | TSTMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02 | 1.7 | 4.6 | | | | 4.6 | | | | | 4.6 | 930 |
| 03-05 | .5 | 2.8 | | | | 2.8 | | | | | 2.8 | 930 |
| 06-08 | .5 | 2.5 | | | | 2.5 | .1 | | | | 2.6 | 930 |
| 09-11 | .2 | 1.8 | | | | 1.8 | .1 | | | | 1.9 | 930 |
| 12-14 | 3.2 | 3.9 | | | | 3.9 | | | | | 3.9 | 930 |
| 15-17 | 6.3 | 5.4 | | | | 5.4 | | | | .2 | 5.6 | 930 |
| 18-20 | 7.0 | 5.6 | | | | 5.6 | | | | .1 | 5.7 | 930 |
| 21-23 | 4.3 | 6.2 | | | | 6.2 | | | | .2 | 6.5 | 930 |
| ALL HOURS | 3.0 | 4.1 | | | | 4.1 | .0 | | | .1 | 4.2 | 7440 |

MONTH: AUG

| | | | | | | | | | | | | |
|--------------|-----|-----|--|--|--|-----|----|--|--|----|-----|------|
| 00-02 | 4.3 | 7.5 | | | | 7.5 | | | | | 7.5 | 930 |
| 03-05 | 2.0 | 6.2 | | | | 6.2 | .4 | | | | 6.7 | 930 |
| 06-08 | .5 | 3.2 | | | | 3.2 | .8 | | | | 4.0 | 930 |
| 09-11 | | 2.5 | | | | 2.5 | .3 | | | | 2.8 | 930 |
| 12-14 | 4.7 | 4.3 | | | | 4.3 | .4 | | | | 4.7 | 930 |
| 15-17 | 8.8 | 7.5 | | | | 7.5 | .2 | | | | 7.7 | 930 |
| 18-20 | 6.9 | 7.5 | | | | 7.5 | | | | .1 | 7.6 | 930 |
| 21-23 | 4.6 | 7.3 | | | | 7.3 | | | | | 7.3 | 930 |
| ALL HOURS | 4.0 | 5.8 | | | | 5.8 | .3 | | | .0 | 6.0 | 7440 |

A - 2 - 4

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP

| HOURS (LST) | TSTMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02 | 2.0 | 5.3 | | | | 5.3 | .4 | | | | 5.8 | 900 |
| 03-05 | 1.3 | 4.1 | | | | 4.1 | | | | | 4.1 | 900 |
| 06-08 | .8 | 3.8 | | | | 3.8 | 1.1 | | | | 4.9 | 900 |
| 09-11 | .1 | 2.9 | | | | 2.9 | .6 | | | | 3.4 | 900 |
| 12-14 | 1.0 | 2.7 | | | | 2.7 | .3 | | | .1 | 3.1 | 900 |
| 15-17 | 2.9 | 4.2 | | | | 4.2 | .1 | | | .2 | 4.6 | 900 |
| 18-20 | 2.0 | 4.2 | | | | 4.2 | .1 | | | | 4.3 | 900 |
| 21-23 | 1.6 | 4.8 | | | | 4.8 | | | | | 4.8 | 900 |
| ALL HOURS | 1.5 | 4.0 | | | | 4.0 | .3 | | | .0 | 4.4 | 7200 |

MONTH: OCT

| | | | | | | | | | | | | |
|--------------|----|-----|--|----|--|-----|-----|----|--|--|-----|------|
| 00-02 | .4 | 3.3 | | .3 | | 3.7 | .4 | | | | 4.1 | 930 |
| 03-05 | .3 | 3.3 | | .3 | | 3.7 | 1.2 | | | | 4.8 | 930 |
| 06-08 | .3 | 3.1 | | | | 3.1 | 1.8 | | | | 4.9 | 930 |
| 09-11 | | 3.3 | | | | 3.3 | 1.0 | .1 | | | 4.4 | 930 |
| 12-14 | .6 | 3.5 | | | | 3.5 | .4 | | | | 4.0 | 930 |
| 15-17 | .5 | 3.1 | | | | 3.1 | .4 | | | | 3.6 | 929 |
| 18-20 | .8 | 3.6 | | | | 3.6 | .5 | | | | 4.1 | 927 |
| 21-23 | .8 | 3.1 | | .3 | | 3.5 | .5 | | | | 4.0 | 927 |
| ALL HOURS | .5 | 3.3 | | .1 | | 3.4 | .8 | .0 | | | 4.2 | 7433 |

A - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF HOURS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN APB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV

| HOURS (LST) | TSTMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|----------------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| 00-02 | .2 | 3.3 | | .8 | | 4.1 | 1.7 | | | .2 | 6.0 | 900 |
| 03-05 | | 4.4 | | .1 | | 4.6 | 1.9 | | | .2 | 6.7 | 900 |
| 06-08 | .1 | 2.8 | .1 | | | 2.9 | 2.2 | | | | 5.1 | 900 |
| 09-11 | | 2.9 | | .3 | | 3.2 | 1.0 | | | | 4.2 | 900 |
| 12-14 | .1 | 3.3 | | .3 | | 3.7 | 1.2 | | | | 4.9 | 900 |
| 15-17 | .4 | 3.3 | | .1 | | 3.4 | .9 | | | .6 | 4.9 | 900 |
| 18-20 | .7 | 2.9 | | .3 | | 3.2 | .4 | | | .1 | 3.8 | 900 |
| 21-23 | | 2.0 | | .3 | | 2.3 | .7 | | | .3 | 3.3 | 900 |
| ALL HOURS | .2 | 3.1 | .0 | .3 | | 3.4 | 1.3 | | | .2 | 4.9 | 7200 |

MONTH: DEC

| | | | | | | | | | | | | |
|--------------|--|-----|----|-----|--|-----|-----|----|--|----|------|------|
| 00-02 | | 4.0 | .1 | 1.5 | | 5.6 | 2.9 | .3 | | .1 | 8.9 | 930 |
| 03-05 | | 4.3 | | 2.0 | | 6.3 | 3.5 | .2 | | | 10.1 | 930 |
| 06-08 | | 4.1 | .1 | 2.6 | | 6.8 | 3.9 | .2 | | .1 | 11.0 | 930 |
| 09-11 | | 4.2 | | 2.9 | | 7.1 | 3.8 | | | | 10.9 | 930 |
| 12-14 | | 2.7 | | 2.7 | | 5.4 | 2.0 | | | | 7.4 | 930 |
| 15-17 | | 3.7 | | 1.8 | | 5.5 | 2.0 | | | .8 | 8.3 | 930 |
| 18-20 | | 2.5 | | 1.7 | | 4.2 | 1.9 | | | .2 | 6.3 | 930 |
| 21-23 | | 3.0 | .1 | 2.0 | | 5.2 | 2.5 | .4 | | .3 | 8.4 | 930 |
| ALL HOURS | | 3.5 | .0 | 2.2 | | 5.8 | 2.8 | .1 | | .2 | 8.9 | 7440 |

A - 2 - 6

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF VARIOUS ATMOSPHERIC PHENOMENA
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
HOURS: ALL

| MONTH | TSTMS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|--------|-------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| JAN | .0 | 1.6 | .0 | 1.6 | | 3.2 | 2.0 | | | .1 | 5.3 | 7440 |
| FEB | .2 | 2.5 | | 1.4 | .0 | 3.9 | 1.0 | | | .4 | 5.3 | 6768 |
| MAR | .0 | 1.9 | | .3 | .0 | 2.3 | .1 | | | 1.4 | 3.8 | 7440 |
| APR | .3 | 1.1 | | 1.1 | .0 | 2.2 | .8 | .1 | | 2.0 | 5.1 | 7200 |
| MAY | 1.2 | 1.6 | | | | 1.6 | .0 | .0 | | .4 | 2.1 | 7440 |
| JUN | 1.4 | 2.4 | | | | 2.4 | .1 | .0 | | .2 | 2.6 | 7200 |
| JUL | 3.0 | 4.1 | | | | 4.1 | .0 | | | .1 | 4.2 | 7440 |
| AUG | 4.0 | 5.8 | | | | 5.8 | .3 | | | .0 | 6.0 | 7440 |
| SEP | 1.5 | 4.0 | | | | 4.0 | .3 | | | .0 | 4.4 | 7200 |
| OCT | .5 | 3.3 | | .1 | | 3.4 | .8 | .0 | | | 4.2 | 7433 |
| NOV | .2 | 3.1 | .0 | .3 | | 3.4 | 1.3 | | | .2 | 4.9 | 7200 |
| DEC | | 3.5 | .0 | 2.2 | | 5.8 | 2.8 | .1 | | .2 | 8.9 | 7440 |
| ANNUAL | 1.0 | 2.9 | .0 | .6 | .0 | 3.5 | .8 | .0 | | .4 | 4.7 | 87641 |

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| MONTH | TSHS | LIQUID PRECIP | FREEZ PRECIP | FROZEN PRECIP | HAIL | ALL PRECIP | FOG | SMOKE &/OR HAZE | BLOWING SNOW | DUST &/OR SAND | ALL OBST TO VSN | TOTAL NO. OF OBS |
|--------|------|------------------|-----------------|------------------|------|---------------|-----|-----------------------|-----------------|----------------------|-----------------------|------------------------|
| JAN | .7 | 15.5 | .4 | 7.7 | .1 | 20.4 | 6.9 | .2 | .2 | .9 | 23.0 | 1410 |
| FEB | 1.7 | 16.0 | .2 | 6.0 | .5 | 19.1 | 5.1 | .1 | .1 | 1.9 | 22.0 | 1266 |
| MAR | 1.7 | 15.2 | | 3.4 | .4 | 16.8 | 2.0 | .3 | .1 | 4.6 | 20.8 | 1373 |
| APR | 5.0 | 13.8 | | .7 | .5 | 14.1 | .5 | .5 | | 4.3 | 17.6 | 1330 |
| MAY | 10.9 | 17.4 | | | .9 | 17.5 | .3 | .2 | | 3.1 | 19.5 | 1374 |
| JUN | 21.1 | 26.0 | | | .7 | 26.1 | 1.0 | .1 | | 2.5 | 27.2 | 1336 |
| JUL | 40.5 | 50.1 | | | .8 | 50.1 | .8 | .1 | | 1.8 | 50.9 | 1439 |
| AUG | 36.0 | 45.6 | | | .1 | 45.6 | 1.2 | | | 1.8 | 46.1 | 1435 |
| SEP | 16.5 | 30.6 | | | .2 | 30.6 | 3.1 | .1 | | .3 | 31.4 | 1375 |
| OCT | 7.2 | 18.4 | | .4 | .2 | 18.5 | 4.2 | | | .5 | 19.4 | 1407 |
| NOV | 1.7 | 12.5 | .1 | 3.2 | .2 | 13.9 | 3.8 | .1 | | .7 | 15.7 | 1360 |
| DEC | 1.0 | 15.5 | .5 | 5.5 | .3 | 18.2 | 7.5 | .4 | .1 | 1.0 | 21.3 | 1411 |
| ANNUAL | 12.2 | 23.3 | .1 | 2.2 | .4 | 24.4 | 3.0 | .2 | .0 | 1.9 | 26.4 | 16516 |

A - 3 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF THUNDERSTORMS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91

| HOURS (LST) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|----------------|------|------|------|------|------|------|------|------|------|------|------|------|
| 00-02 | | | .1 | .4 | .5 | 1.1 | 1.7 | 4.3 | 2.0 | .4 | .2 | |
| 03-05 | | .1 | .1 | | .2 | .6 | .5 | 2.0 | 1.3 | .3 | | |
| 06-08 | .1 | .1 | | | .1 | | .5 | .5 | .8 | .3 | .1 | |
| 09-11 | .1 | .1 | | .2 | .2 | .4 | .2 | | .1 | | | |
| 12-14 | | .1 | .1 | .2 | 1.6 | 1.3 | 3.2 | 4.7 | 1.0 | .6 | .1 | |
| 15-17 | .1 | .5 | | .9 | 3.1 | 2.7 | 6.3 | 8.8 | 2.9 | .5 | .4 | |
| 18-20 | | .6 | | .4 | 2.2 | 3.6 | 7.0 | 6.9 | 2.0 | .8 | .7 | |
| 21-23 | | | | .4 | 1.3 | 1.7 | 4.3 | 4.6 | 1.6 | .8 | | |
| ALL HOURS | .0 | .2 | .0 | .3 | 1.2 | 1.4 | 3.0 | 4.0 | 1.5 | .5 | .2 | |
| TOTAL OBS | 7440 | 6768 | 7440 | 7200 | 7440 | 7200 | 7440 | 7440 | 7200 | 7433 | 7200 | 7440 |

A - 4 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: ALL

| PHENOMENA | CALM | VARIABLE | 270 - 029 | 030 - 129 | 130 - 179 | 180 - 219 | 220 - 269 | NO OF OBS |
|------------------------------|-------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS | | | 100.0 | | | | | 3 |
| LIQUID PRECIP | 13.0 | | 22.6 | 13.9 | 31.3 | 10.4 | 8.7 | 115 |
| FREEZING PRECIP | 100.0 | | | | | | | 1 |
| FROZEN PRECIP | 21.1 | | 39.0 | 6.5 | 12.2 | 5.7 | 15.4 | 123 |
| FOG | 45.6 | | 18.4 | 8.8 | 15.6 | 7.5 | 4.1 | 147 |
| FOG WITH VIS GE 1/2 MILES | 44.9 | | 21.4 | 8.2 | 12.2 | 8.2 | 5.1 | 98 |
| TOTAL OBS | 1883 | 0 | 2197 | 1188 | 1097 | 596 | 479 | 7440 |

MONTH: FEB HOURS: ALL

| | | | | | | | | |
|------------------------------|------|---|------|------|------|------|------|------|
| TSTMS | | | 50.0 | 28.6 | | 7.1 | 14.3 | 14 |
| LIQUID PRECIP | 10.3 | | 25.6 | 13.5 | 28.8 | 10.9 | 10.9 | 156 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | 7.4 | | 50.9 | 2.8 | 12.0 | 13.9 | 13.0 | 108 |
| FOG | 27.7 | | 40.0 | 3.1 | 13.8 | 3.1 | 12.3 | 65 |
| FOG WITH VIS GE 1/2 MILES | 22.6 | | 43.4 | 3.8 | 13.2 | 3.8 | 13.2 | 53 |
| TOTAL OBS | 1326 | 0 | 1854 | 1029 | 1209 | 703 | 647 | 6768 |

A - 5 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: ALL

| PHENOMENA | CALM | VARIABLE | 270 - 029 | 030 - 129 | 130 - 179 | 180 - 219 | 220 - 269 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS | | | 75.0 | 25.0 | | | | 4 |
| LIQUID PRECIP | 10.5 | | 33.6 | 10.5 | 17.5 | 18.2 | 9.8 | 143 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | 24.0 | | 32.0 | 20.0 | 4.0 | 8.0 | 12.0 | 25 |
| FOG | | | 25.0 | 50.0 | 25.0 | | | 4 |
| FOG WITH VIS GE 1/2 MILES | | | 25.0 | 50.0 | 25.0 | | | 4 |
| TOTAL OBS | 1128 | 0 | 1792 | 1026 | 1371 | 920 | 1203 | 7440 |

MONTH: APR HOURS: ALL

| | | | | | | | | |
|------------------------------|------|---|------|------|------|------|------|------|
| TSTMS | 8.0 | | 28.0 | 16.0 | 16.0 | 16.0 | 16.0 | 25 |
| LIQUID PRECIP | 8.1 | | 43.5 | 11.3 | 6.5 | 9.7 | 21.0 | 62 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | 11.0 | | 26.8 | 7.3 | 13.4 | 14.6 | 26.8 | 82 |
| FOG | 10.7 | | 33.9 | 10.7 | 8.9 | 5.4 | 30.4 | 56 |
| FOG WITH VIS GE 1/2 MILES | 10.7 | | 33.9 | 10.7 | 8.9 | 5.4 | 30.4 | 56 |
| TOTAL OBS | 956 | 0 | 1716 | 850 | 1182 | 1069 | 1427 | 7200 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: ALL

| PHENOMENA | CALM | VARIABLE | 270 - 029 | 030 - 129 | 130 - 179 | 180 - 219 | 220 - 269 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS | | | 39.5 | 19.8 | 17.4 | 14.0 | 9.3 | 86 |
| LIQUID PRECIP | 9.1 | | 28.8 | 19.7 | 12.1 | 13.6 | 16.7 | 66 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | | | | | | | | |
| FOG | 66.7 | | | 33.3 | | | | 3 |
| FOG WITH VIS GE 1/2 MILES | 50.0 | | | 50.0 | | | | 2 |
| TOTAL OBS | 847 | 0 | 1743 | 996 | 1352 | 1168 | 1334 | 7440 |

MONTH: JUN HOURS: ALL

| | | | | | | | | |
|------------------------------|------|---|------|------|------|------|-----|------|
| TSTMS | | | 29.4 | 27.5 | 18.6 | 14.7 | 9.8 | 102 |
| LIQUID PRECIP | 13.9 | | 30.4 | 22.6 | 16.5 | 9.6 | 7.0 | 115 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | | | | | | | | |
| FOG | 25.0 | | 50.0 | 25.0 | | | | 8 |
| FOG WITH VIS GE 1/2 MILES | 25.0 | | 50.0 | 25.0 | | | | 8 |
| TOTAL OBS | 894 | 0 | 1548 | 919 | 1651 | 1239 | 949 | 7200 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: ALL

| PHENOMENA | CALM | VARIABLE | 270 - 029 | 030 - 129 | 130 - 179 | 180 - 219 | 220 - 269 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TSDMS | 4.1 | | 25.2 | 27.9 | 23.4 | 9.0 | 10.4 | 222 |
| LIQUID PRECIP | 15.1 | | 22.1 | 26.6 | 18.1 | 13.1 | 5.0 | 199 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | | | | | | | | |
| FOG | | | | 100.0 | | | | 2 |
| FOG WITH VIS GE 1/2 MILES | | | | 100.0 | | | | 2 |
| TOTAL OBS | 1201 | 0 | 1602 | 1159 | 1687 | 1067 | 724 | 7440 |

MONTH: AUG HOURS: ALL

| | | | | | | | | |
|------------------------------|------|---|------|------|------|------|-----|------|
| TSDMS | 4.4 | | 30.3 | 27.9 | 18.2 | 12.5 | 6.7 | 297 |
| LIQUID PRECIP | 13.4 | | 33.1 | 19.7 | 17.2 | 9.7 | 6.9 | 290 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | | | | | | | | |
| FOG | 30.0 | | 45.0 | 10.0 | | 10.0 | 5.0 | 20 |
| FOG WITH VIS GE 1/2 MILES | 30.0 | | 45.0 | 10.0 | | 10.0 | 5.0 | 20 |
| TOTAL OBS | 1319 | 0 | 1826 | 1233 | 1352 | 1015 | 695 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: ALL

| PHENOMENA | CALM | VARIABLE | 270 - 029 | 030 - 129 | 130 - 179 | 180 - 219 | 220 - 269 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS | 5.7 | | 29.5 | 23.8 | 21.0 | 10.5 | 9.5 | 105 |
| LIQUID PRECIP | 9.8 | | 31.6 | 26.0 | 16.3 | 7.4 | 8.8 | 215 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | | | | | | | | |
| FOG | 12.5 | | 50.0 | 25.0 | 4.2 | 8.3 | | 24 |
| FOG WITH VIS GE 1/2 MILES | 12.5 | | 50.0 | 25.0 | 4.2 | 8.3 | | 24 |
| TOTAL OBS | 1280 | 0 | 1670 | 1084 | 1445 | 1053 | 668 | 7200 |

MONTH: OCT HOURS: ALL

| | | | | | | | | |
|------------------------------|------|---|------|------|------|------|------|------|
| TSTMS | 5.7 | | 51.4 | 17.1 | 11.4 | 8.6 | 5.7 | 35 |
| LIQUID PRECIP | 20.4 | | 29.2 | 14.6 | 20.8 | 6.2 | 8.8 | 226 |
| FREEZING PRECIP | | | | | | | | |
| FROZEN PRECIP | | | 44.4 | 22.2 | 11.1 | 11.1 | 11.1 | 9 |
| FOG | 33.9 | | 28.8 | 8.5 | 18.6 | 3.4 | 6.8 | 59 |
| FOG WITH VIS GE 1/2 MILES | 35.3 | | 33.3 | 9.8 | 11.8 | 2.0 | 7.8 | 51 |
| TOTAL OBS | 1521 | 0 | 1634 | 1266 | 1446 | 943 | 623 | 7433 |

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: ALL

| PHENOMENA | CALM | VARIABLE | 270 - 029 | 030 - 129 | 130 - 179 | 180 - 219 | 220 - 269 | NO OF OBS |
|------------------------------|------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TSMS | | | 28.6 | 28.6 | 14.3 | 7.1 | 21.4 | 14 |
| LIQUID PRECIP | 16.1 | | 30.9 | 12.0 | 18.4 | 11.1 | 11.5 | 217 |
| FREEZING PRECIP | | | 100.0 | | | | | 1 |
| FROZEN PRECIP | 9.5 | | 42.9 | 9.5 | 4.8 | | 33.3 | 21 |
| FOG | 38.9 | | 33.3 | 12.2 | 4.4 | 5.6 | 5.6 | 90 |
| FOG WITH VIS GE 1/2 MILES | 33.3 | | 34.6 | 14.1 | 5.1 | 6.4 | 6.4 | 78 |
| TOTAL OBS | 1495 | 0 | 1735 | 1320 | 1309 | 732 | 609 | 7200 |

MONTH: DEC HOURS: ALL

| | | | | | | | | |
|------------------------------|------|---|------|------|------|------|------|------|
| TSMS | | | | | | | | |
| LIQUID PRECIP | 23.9 | | 20.8 | 17.4 | 22.0 | 7.6 | 8.3 | 264 |
| FREEZING PRECIP | | | 66.7 | | | | 33.3 | 3 |
| FROZEN PRECIP | 26.7 | | 36.0 | 13.0 | 11.8 | 6.2 | 6.2 | 161 |
| FOG | 31.9 | | 28.6 | 14.3 | 10.0 | 10.0 | 5.2 | 210 |
| FOG WITH VIS GE 1/2 MILES | 31.5 | | 29.3 | 15.5 | 9.4 | 8.8 | 5.5 | 181 |
| TOTAL OBS | 1918 | 0 | 2023 | 1230 | 1176 | 582 | 511 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCES OF ATMOSPHERIC PHENOMENA
VERSUS WIND DIRECTION FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTHS: ALL

| PHENOMENA | CALM | VARIABLE | 270 - 029 | 030 - 129 | 130 - 179 | 180 - 219 | 220 - 269 | NO OF OBS |
|------------------------------|-------|----------|-----------|-----------|-----------|-----------|-----------|-----------|
| TSTMS | 3.5 | | 31.2 | 25.8 | 19.0 | 11.5 | 9.0 | 907 |
| LIQUID PRECIP | 14.8 | | 28.6 | 17.8 | 19.5 | 10.1 | 9.1 | 2068 |
| FREEZING PRECIP | 20.0 | | 60.0 | | | | 20.0 | 5 |
| FROZEN PRECIP | 17.8 | | 38.6 | 8.9 | 11.5 | 8.9 | 14.4 | 529 |
| FOG | 32.8 | | 29.8 | 11.9 | 10.9 | 7.0 | 7.6 | 688 |
| FOG WITH VIS GE 1/2 MILES | 30.3 | | 32.2 | 13.0 | 9.2 | 6.8 | 8.5 | 577 |
| TOTAL OBS | 15768 | 0 | 21340 | 13300 | 16277 | 11087 | 9869 | 87641 |

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| | | | | |
|----------|-----------|----------|-----------|-----------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTTT | BBBBBBBBB |
| PPPPPPPP | AAAAAAA | RRRRRRRR | TTTTTTTTT | BBBBBBBBB |
| PP PP | AA AA | RR RR | TT | BB BB |
| PP PP | AA AA | RR RR | TT | BB BB |
| PPPPPPPP | AA AA | RRRRRRRR | TT | BBBBBBBBB |
| PPPPPPPP | AAAAAAAAA | RRRRRRRR | TT | BBBBBBBBB |
| PP | AAAAAAAAA | RR RR | TT | BB BB |
| PP | AA AA | RR RR | TT | BB BB |
| PP | AA AA | RR RR | TT | BBBBBBBBB |
| PP | AA AA | RR RR | TT | BBBBBBBBB |

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PART B

PRECIPITATION, SNOWFALL, SNOW DEPTH SUMMARIES

ALL TABLES IN PART B ARE CREATED FROM SUMMARY OF DAY (SOD) DATA.

PERCENT OCCURRENCE FREQUENCY.

THESE TABLES GIVE THE PERCENT OCCURRENCE FREQUENCY OF PRECIPITATION, SNOWFALL AND SNOW DEPTH. DATA IS SUMMARIZED FOR ALL YEARS COMBINED. SUMMARIES INCLUDE THE PERCENT OF DAYS WITH MEASURABLE AMOUNTS, PERCENT OF DAYS WITH NO AMOUNTS, PERCENT OF DAYS WITH TRACES, AND PERCENT OF DAYS WITH SPECIFIED AMOUNTS. SUMMARIES ALSO PROVIDE AN OBSERVATION COUNT. A VALUE OF ".0" INDICATES ONE OR MORE OCCURRENCES THAT, IN AGGREGATE, AMOUNT TO LESS THAN .05 PERCENT.

MONTHLY TOTALS.

THESE TABLES GIVE THE TOTAL MONTHLY PRECIPITATION AND SNOWFALL RESPECTIVELY. THEY ARE SUMMARIZED BY MONTH FOR ALL YEARS. THE TABLES ALSO GIVE THE GREATEST AMOUNTS, LEAST AMOUNTS, MEAN, MEDIAN, STANDARD DEVIATIONS, AND TOTAL AVAILABLE OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. INCOMPLETE MONTHS/YEARS ARE NOT INCLUDED IN STATISTICAL COMPUTATIONS. NOTE: LEAST AMOUNTS ARE DERIVED FROM COMPLETE MONTHS/YEARS ONLY. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH.

DAILY EXTREMES.

THESE TABLES GIVE THE MAXIMUM DAILY REPORTED AMOUNTS (BY INDIVIDUAL YEAR-MONTH) FOR PRECIPITATION, SNOWFALL, AND SNOW DEPTH, RESPECTIVELY. THEY SHOW THE GREATEST AMOUNTS FOR EACH MONTH AND THE TOTAL NUMBER OF AVAILABLE OBSERVATIONS FOR EACH MONTH AND YEAR. AN ASTERISK (*) INDICATES A MONTH FOR WHICH LESS THAN 90% OF DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS. ".00" MEANS NO PRECIPITATION FOR THE MONTH, ".0" MEANS NO SNOWFALL FOR THE MONTH, AND "0" MEANS NO SNOW DEPTH FOR THE MONTH.

SNOWFALL/SNOW DEPTH--FIRST AND LAST DAYS OF OCCURRENCE BY SNOW YEAR.

THIS SUMMARY GIVES THE FIRST AND LAST OCCURRENCES OF SNOWFALL AND SNOW DEPTH FOR THE SNOW-YEAR DURING THE PERIOD OF RECORD. FOR THIS SUMMARY, THE SNOW-YEAR IS CONSIDERED TO RUN FROM 1 AUGUST TO 31 JULY. TABLES SUMMARIZE THE DATA BY SNOW-YEAR, BY MONTH, AND BY DAY. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OF AWS FORMS 10/10A (OR EQUIVALENT) AS EITHER A TRACE OR A MEASURABLE AMOUNT DEFINES THE FIRST (OR LAST) SNOWFALL FOR THE YEAR. THE FIRST (OR LAST) ENTRY IN COLUMN 69 OTHER THAN ".0" OR "TRACE" DEFINES THE FIRST (OR LAST) MEASURABLE SNOWFALL. FINALLY, THE 1200 GMT ENTRY COLUMN 70 OF AWS FORM 10/10A (OR EQUIVALENT) DEFINES THE FIRST (OR LAST) OCCURRENCE OF SNOW DEPTH. THE LAST SNOW DEPTH IS CONSIDERED THE LAST SNOW MELT. THIS SUMMARY IS NOT PROVIDED WHEN NO SNOWFALL OCCURS DURING THE GIVEN YEAR.

NOTE 1. IF THE MINIMUM AMOUNT RECORDED IN THE MONTHLY TOTALS OR DAILY EXTREMES IS A TRACE, THE WORD "TRACE" WILL APPEAR IN THE APPROPRIATE COLUMN.

NOTE 2. TABLES INCLUDE STATISTICAL DATA ONLY WHEN FIVE (5) OR MORE SETS OF COMPLETE MONTHS ARE AVAILABLE.

NOTE 3. THE OBSERVATION COUNTS OR THE STATION HISTORY MIGHT PROVIDE CLUES AS TO WHY CERTAIN DATA ARE MISSING. FOR EXAMPLE, ONLY A FEW MISSING OBSERVATIONS MIGHT IMPLY MISSING DATA BECAUSE OF EQUIPMENT MALFUNCTION, BUT MORE THAN SEVERAL MISSING OBSERVATIONS USUALLY MEANS THE STATION IS (OR HAS BEEN) CLOSED.

NOTE 4. IN DAILY AND MONTHLY AMOUNTS SUMMARIES, THE LAST ENTRY ON THE PAGE GIVES THE GREATEST AMOUNT FOR THE PERIOD OF RECORD.

NOTE 5. BEFORE JANUARY 1956, SNOWFALL OCCURRENCES IN THE SUMMARY OF DAY INCLUDED HAIL.

NOTE 6. SNOW DEPTH REPORTING TIMES FOR USAF, NAVY AND CIVIL STATIONS ARE AS FOLLOWS:

| AIR FORCE | | NAVY AND NATIONAL WEATHER SERVICE | |
|-----------------------|----------|-----------------------------------|----------|
| THROUGH 1945: | 0800 LST | THROUGH JUN 1952: | 0030 GMT |
| JAN 1946 TO MAY 1957: | 1230 LST | JUN 1952 TO MAY 1957: | 1230 GMT |
| JUN 1957 TO PRESENT: | 1200 GMT | JUN 1957 TO PRESENT: | 1200 GMT |

NOTE 7. 24-HOUR PRECIPITATION (INCLUDING SNOWFALL AND SNOW DEPTH) VALUES DERIVED FROM PART TIME PERIODS MAY NOT REFLECT TRUE 24-HOUR AMOUNTS. RECORDED AMOUNTS FOLLOWING WEEKENDS AND/OR HOLIDAYS FREQUENTLY REPRESENT AMOUNTS MEASURED FOR PERIODS GREATER THAN 24 HOURS. IN ADDITION, 24-HOUR AMOUNTS MAY NOT REPRESENT THE STANDARD CLIMATOLOGICAL 24-HOUR "MIDNIGHT TO MIDNIGHT" AMOUNT. DATA FROM PART TIME PERIODS MAY NOT ACCURATELY REFLECT NIGHTTIME PRECIPITATION EVENTS.

CONVERSIONS:

- 1 INCH = 25.39998 MILLIMETERS
- 1 MILLIMETER = .03937 INCHES

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF PRECIPITATION IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| AMOUNTS (INCHES) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| NONE | 80.0 | 81.4 | 83.8 | 86.1 | 82.5 | 73.7 | 49.4 | 54.0 | 69.0 | 81.2 | 86.1 | 81.8 | 75.7 |
| TRACE | 8.7 | 8.3 | 9.3 | 8.8 | 9.8 | 14.8 | 25.7 | 21.4 | 12.7 | 5.8 | 6.6 | 6.6 | 11.6 |
| .01 | 1.5 | .8 | .9 | .9 | .9 | 1.2 | 3.0 | 3.0 | 1.6 | 1.4 | .4 | 1.3 | 1.4 |
| .02-.05 | 3.3 | 3.4 | 1.9 | 1.6 | 2.1 | 3.0 | 7.2 | 5.9 | 4.0 | 3.7 | 1.9 | 3.1 | 3.4 |
| .06-.10 | 1.6 | 1.5 | 1.5 | .7 | 1.5 | 1.6 | 4.0 | 4.0 | 3.3 | 1.4 | 1.5 | 1.6 | 2.0 |
| .11-.25 | 2.8 | 2.9 | 1.6 | 1.1 | 1.6 | 2.3 | 5.4 | 5.4 | 4.4 | 2.5 | 1.6 | 3.6 | 2.9 |
| .26-.50 | 1.6 | 1.5 | .7 | .7 | 1.0 | 1.8 | 3.6 | 3.8 | 2.7 | 2.0 | 1.1 | 1.4 | 1.9 |
| .51-1.00 | .4 | .1 | .3 | .1 | .4 | 1.3 | 1.1 | 2.0 | 1.8 | 1.6 | .5 | .5 | .9 |
| 1.01-2.50 | .1 | | .1 | | .1 | .1 | .5 | .5 | .5 | .4 | .2 | .1 | .2 |
| 2.51-5.00 | | | | | | | | | | | | | |
| 5.01-10.00 | | | | | | | | | | | | | |
| 10.01-20.00 | | | | | | | | | | | | | |
| OVER 20.00 | | | | | | | | | | | | | |
| DAYS WITH MEAS AMTS | 11.3 | 10.3 | 6.9 | 5.1 | 7.7 | 11.6 | 24.9 | 24.6 | 18.4 | 13.0 | 7.3 | 11.6 | 12.8 |
| TOTAL NO. OF OBSERVATIONS | 1488 | 1356 | 1456 | 1410 | 1457 | 1410 | 1488 | 1488 | 1470 | 1519 | 1470 | 1519 | 17531 |

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|
| 42 | | | | | | | | | 2.25 | 1.43 | TRACE | .91 | 4.59* |
| 43 | .06 | TRACE | .13 | TRACE | .64 | 3.63 | .47 | .24 | .40 | TRACE | 1.24 | 1.42 | 8.23 |
| 44 | .63 | .54 | .11 | .05 | .03 | 1.16 | 2.18 | .91 | 2.81 | .06 | .28 | .46 | 9.22 |
| 45 | .19 | TRACE | TRACE | TRACE | TRACE | .04 | .55 | 1.92 | .02 | 1.20 | .00 | .01 | 3.93 |
| 46 | .39 | .04 | | | | | .01 | .44 | .98 | .05 | .28 | .10 | 2.29* |
| 47 | | | | | | | | | | | 1.14 | .72 | 1.86* |
| 48 | 1.26 | .80 | .01 | TRACE | 2.93 | 1.92 | .14 | .71 | .11 | 1.01 | TRACE | .96 | 9.85 |
| 49 | 1.88 | .79 | TRACE | .30 | .29 | .50 | .21 | .39 | 2.42 | 1.35 | TRACE | .37 | 8.50 |
| 50 | .03 | .05 | .01 | TRACE | TRACE | .46 | 1.66 | .88 | 1.69 | 1.28 | .00 | .00 | 6.06 |
| 51 | .48 | .47 | .09 | .40 | TRACE | TRACE | .08 | .50 | TRACE | .61 | .07 | .38 | 3.08 |
| 52 | .34 | .39 | .41 | .55 | .22 | .51 | 1.25 | .51 | .14 | .00 | .02 | .24 | 4.58 |
| 53 | .00 | .63 | .13 | .78 | TRACE | .61 | 2.50 | .19 | .22 | .61 | TRACE | .05 | 5.72 |
| 54 | .07 | .02 | .12 | .08 | .26 | .24 | .24 | 2.12 | .93 | .05 | .00 | TRACE | 4.13 |
| 55 | .94 | TRACE | .57 | .02 | .12 | .23 | 2.89 | .38 | 1.62 | .49 | TRACE | TRACE | 7.26 |
| 56 | .04 | .49 | .00 | TRACE | TRACE | .47 | .39 | .75 | TRACE | .32 | .00 | .04 | 2.50 |
| 57 | .29 | .79 | .45 | .52 | .08 | TRACE | 2.73 | 1.11 | .44 | 3.49 | .62 | TRACE | 10.52 |
| 58 | 1.16 | .58 | 2.95 | .31 | .78 | .91 | .45 | 1.09 | 2.46 | 2.30 | .13 | TRACE | 13.12 |
| 59 | TRACE | .41 | TRACE | .09 | .31 | .31 | 1.35 | 2.29 | TRACE | .65 | TRACE | .32 | 5.73 |
| 60 | .64 | .35 | .13 | TRACE | .25 | .51 | 1.54 | 1.55 | .59 | .68 | .14 | 2.36 | 8.74 |
| 61 | .25 | TRACE | .55 | TRACE | .03 | .72 | .53 | .63 | 1.73 | .03 | 1.22 | .59 | 6.28 |
| 62 | .88 | .33 | .10 | .12 | .00 | .23 | 3.63 | .22 | 2.19 | .47 | .44 | .69 | 9.30 |
| 63 | .11 | .27 | TRACE | .07 | TRACE | .07 | .61 | 2.38 | .68 | .91 | .07 | TRACE | 5.17 |
| 64 | .02 | .31 | .44 | .06 | .07 | .02 | .86 | 1.15 | 1.68 | TRACE | TRACE | .10 | 4.71 |
| 65 | .85 | .22 | .53 | .16 | .26 | .18 | .61 | 3.53 | 1.41 | .30 | .03 | 1.08 | 9.16 |
| 66 | .42 | .25 | TRACE | .41 | 1.11 | 2.68 | .65 | 1.38 | .85 | .06 | .07 | .06 | 7.94 |
| 67 | .00 | .51 | .07 | .01 | .09 | 1.00 | .42 | 1.35 | 2.30 | .01 | .59 | 1.09 | 7.44 |
| 68 | .55 | .71 | 1.35 | .06 | .17 | .05 | 1.65 | 2.20 | TRACE | .20 | 1.03 | .21 | 8.18 |
| 69 | .33 | .11 | .12 | TRACE | .70 | 1.86 | 3.12 | 1.72 | .90 | 2.44 | .06 | 1.01 | 12.37 |
| 70 | .01 | .27 | .37 | TRACE | .20 | .51 | .67 | .83 | .06 | .62 | .00 | .25 | 3.79 |
| 71 | .05 | .02 | TRACE | .40 | .03 | .30 | 2.17 | 1.11 | .60 | 1.09 | .90 | .45 | 7.12 |
| 72 | .75 | .02 | TRACE | .00 | .09 | 1.33 | 1.13 | 1.80 | 2.68 | 4.22 | .62 | .84 | 13.48 |
| 73 | 1.29 | 1.37 | 1.19 | TRACE | .59 | 1.50 | 2.93 | .69 | .09 | .33 | .02 | TRACE | 10.00 |
| 74 | .53 | .03 | .09 | .12 | .04 | .03 | 3.67 | 1.36 | 1.66 | 3.10 | .26 | .70 | 11.59 |
| 75 | .27 | .26 | .43 | TRACE | .05 | TRACE | 1.06 | .96 | 1.81 | .05 | .18 | .39 | 5.46 |

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-------|-------|-------|-------|------|-------|------|------|------|-------|-------|-------|--------|
| 76 | .09 | .58 | .03 | .39 | 1.59 | .82 | 1.88 | .55 | 1.69 | .91 | .71 | TRACE | 9.24 |
| 77 | .59 | .16 | .34 | .70 | .76 | .24 | .82 | .90 | .18 | .84 | .28 | .23 | 6.04 |
| 78 | .69 | .75 | .18 | .03 | 1.00 | .79 | .11 | 1.97 | 1.47 | 2.32 | 2.50 | .72 | 12.53 |
| 79 | .68 | .67 | TRACE | TRACE | 1.18 | .67 | 1.09 | 4.38 | 1.06 | TRACE | TRACE | 1.12 | 10.85 |
| 80 | .80 | .38 | .04 | TRACE | .33 | .20 | .25 | 2.62 | 3.91 | .31 | .26 | .07 | 9.17 |
| 81 | .94 | .28 | .19 | .03 | .33 | .68 | 1.19 | 1.88 | 1.03 | .57 | .32 | .20 | 7.64 |
| 82 | .58 | .26 | TRACE | .02 | .34 | .45 | .95 | .98 | 4.45 | TRACE | .49 | 2.06 | 10.58 |
| 83 | .99 | .86 | .10 | 1.00 | .08 | .40 | .63 | 1.05 | 1.02 | 1.34 | 1.68 | .48 | 9.63 |
| 84 | .32 | TRACE | .40 | TRACE | 1.11 | 3.00 | 1.80 | 2.01 | .52 | 2.95 | 1.13 | 2.50 | 15.74 |
| 85 | .99 | .22 | .46 | .69 | .26 | .37 | 1.09 | 2.18 | 2.03 | 4.01 | .06 | .06 | 12.42 |
| 86 | TRACE | .46 | .48 | TRACE | .49 | 1.72 | 1.63 | 1.45 | 1.50 | .97 | 3.28 | 1.35 | 13.33 |
| 87 | .39 | .51 | .43 | .24 | .35 | 1.62 | .28 | 1.89 | .51 | .28 | .47 | 1.48 | 8.45 |
| 88 | .20 | .86 | .09 | .14 | .04 | .41 | 2.35 | 4.09 | .96 | .36 | .02 | .86 | 10.38 |
| 89 | .21 | .66 | .22 | .00 | .10 | TRACE | .80 | 3.20 | 1.35 | .20 | .10 | .33 | 7.17 |
| 90 | .69 | .55 | .57 | .53 | .76 | .48 | 2.09 | 2.43 | 1.67 | .87 | .78 | .51 | 11.93 |
| 91 | .50 | .78 | .04 | TRACE | .47 | .07 | 2.64 | 2.49 | 2.46 | .46 | | | 9.91* |

B - 2 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOWAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|------|-------|------|------|------|-------|------|------|-------|-------|------|------|--------|
| LEAST | .00 | TRACE | .00 | .00 | .00 | TRACE | .01 | .19 | TRACE | .00 | .00 | .00 | 2.50 |
| GREATEST | 1.88 | 1.37 | 2.95 | 1.00 | 2.93 | 3.63 | 3.67 | 4.38 | 4.45 | 4.22 | 3.28 | 2.50 | 15.74 |
| MEAN | .49 | .40 | .30 | .18 | .39 | .72 | 1.29 | 1.49 | 1.25 | .93 | .44 | .57 | 8.44 |
| MEDIAN | .41 | .37 | .12 | .05 | .25 | .47 | 1.08 | 1.25 | 1.03 | .61 | .14 | .38 | 8.48 |
| SD | .421 | .309 | .491 | .254 | .536 | .818 | .998 | .989 | 1.031 | 1.089 | .667 | .619 | 3.101 |
| TOTAL OBS | 1488 | 1356 | 1456 | 1410 | 1457 | 1410 | 1488 | 1488 | 1470 | 1519 | 1470 | 1519 | 17531 |

THE GREATEST VALUE OF 4.45 OCCURRED ON 09/82

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 2 - 2C

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320 STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
LST TO UTC: +07 MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-------|-------|-------|-------|-------|-------|------|------|-------|-------|-------|-------|--------|
| 42 | | | | | | | | | .55 | .82 | TRACE | .45 | .82* |
| 43 | .06 | TRACE | .10 | TRACE | .27 | 1.94 | .19 | .18 | .30 | TRACE | 1.24 | .86 | 1.94 |
| 44 | .50 | .28 | .11 | .05 | .02 | 1.11 | 1.00 | .14 | 2.06 | .06 | .08 | .24 | 2.06 |
| 45 | .18 | TRACE | TRACE | TRACE | TRACE | .04 | .28 | .78 | .01 | .81 | .00 | .01 | .81 |
| 46 | .18 | .04 | | | | | .01 | .36 | .44 | .04 | .17 | .10 | .44* |
| 47 | | | | | | | | | | | .51 | .62 | .62* |
| 48 | 1.20 | .49 | .01 | TRACE | 1.82 | .82 | .05 | .30 | .06 | .69 | TRACE | .56 | 1.82 |
| 49 | .57 | .40 | TRACE | .15 | .29 | .37 | .12 | .22 | 1.20 | .68 | TRACE | .32 | 1.20 |
| 50 | .03 | .05 | .01 | TRACE | TRACE | .17 | .50 | .63 | .75 | .90 | .00 | .00 | .90 |
| 51 | .39 | .45 | .07 | .21 | TRACE | TRACE | .05 | .19 | TRACE | .25 | .07 | .25 | .45 |
| 52 | .27 | .39 | .24 | .43 | .15 | .26 | .42 | .27 | .14 | .00 | .01 | .24 | .43 |
| 53 | .00 | .39 | .04 | .65 | TRACE | .36 | 1.35 | .19 | .22 | .51 | TRACE | .05 | 1.35 |
| 54 | .07 | .02 | .05 | .04 | .23 | .13 | .14 | .88 | .78 | .04 | .00 | TRACE | .88 |
| 55 | .51 | TRACE | .20 | .02 | .09 | .22 | .62 | .21 | 1.14 | .33 | TRACE | TRACE | 1.14 |
| 56 | .03 | .32 | .00 | TRACE | TRACE | .44 | .16 | .48 | TRACE | .15 | .00 | .02 | .48 |
| 57 | .27 | .58 | .27 | .31 | .08 | TRACE | 1.01 | .44 | .44 | .70 | .52 | TRACE | 1.01 |
| 58 | .41 | .25 | 1.33 | .23 | .23 | .33 | .22 | .72 | .54 | .88 | .10 | TRACE | 1.33 |
| 59 | TRACE | .41 | TRACE | .05 | .25 | .24 | .34 | .62 | TRACE | .65 | TRACE | .16 | .65 |
| 60 | .54 | .31 | .10 | TRACE | .18 | .36 | .82 | .83 | .29 | .58 | .12 | .75 | .83 |
| 61 | .19 | TRACE | .53 | TRACE | .03 | .60 | .38 | .20 | .69 | .03 | .47 | .18 | .69 |
| 62 | .30 | .18 | .09 | .12 | .00 | .13 | 1.26 | .14 | .74 | .24 | .44 | .49 | 1.26 |
| 63 | .06 | .19 | TRACE | .05 | TRACE | .07 | .24 | .63 | .36 | .61 | .04 | TRACE | .63 |
| 64 | .02 | .17 | .44 | .06 | .07 | .02 | .34 | .61 | .66 | TRACE | TRACE | .10 | .66 |
| 65 | .51 | .16 | .26 | .16 | .22 | .15 | .19 | 1.22 | .96 | .29 | .03 | .34 | 1.22 |
| 66 | .29 | .24 | TRACE | .29 | .70 | .69 | .31 | .59 | .24 | .04 | .07 | .04 | .70 |
| 67 | .00 | .41 | .07 | .01 | .06 | .67 | .14 | .35 | 1.91 | .01 | .44 | .36 | 1.91 |
| 68 | .33 | .28 | .51 | .05 | .17 | .05 | .49 | .44 | TRACE | .09 | .64 | .21 | .64 |
| 69 | .24 | .06 | .12 | TRACE | .40 | .84 | 1.39 | .79 | .35 | 1.78 | .06 | .44 | 1.78 |
| 70 | .01 | .13 | .16 | TRACE | .13 | .38 | .23 | .65 | .03 | .28 | .00 | .15 | .65 |
| 71 | .05 | .02 | TRACE | .22 | .02 | .20 | .48 | .42 | .20 | .68 | .67 | .10 | .68 |
| 72 | .40 | .02 | TRACE | .00 | .06 | .49 | .79 | 1.17 | 1.63 | 1.20 | .30 | .47 | 1.63 |
| 73 | .39 | .61 | .55 | TRACE | .35 | .72 | 1.38 | .29 | .04 | .33 | .02 | TRACE | 1.38 |
| 74 | .39 | .03 | .09 | .08 | .04 | .03 | .76 | .60 | .61 | .87 | .19 | .29 | .87 |
| 75 | .09 | .20 | .20 | TRACE | .05 | TRACE | .31 | .29 | .94 | .05 | .15 | .21 | .94 |

B - 2 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY PRECIPITATION AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|------|-------|------|------|------|-------|-------|-------|--------|
| 76 | .08 | .31 | .03 | .38 | .55 | .31 | .52 | .11 | .71 | .27 | .33 | TRACE | .71 |
| 77 | .18 | .12 | .33 | .29 | .37 | .09 | .26 | .65 | .10 | .35 | .24 | .17 | .65 |
| 78 | .28 | .25 | .13 | .02 | .59 | .31 | .05 | .63 | .44 | 1.15 | .82 | .19 | 1.15 |
| 79 | .30 | .35 | TRACE | TRACE | .33 | .45 | .42 | 1.08 | .43 | TRACE | TRACE | .36 | 1.08 |
| 80 | .39 | .18 | .04 | TRACE | .14 | .20 | .15 | 1.02 | 1.12 | .20 | .10 | .04 | 1.12 |
| 81 | .24 | .24 | .16 | .01 | .26 | .59 | .28 | .54 | .45 | .34 | .23 | .14 | .59 |
| 82 | .18 | .24 | TRACE | .02 | .14 | .37 | .39 | .34 | 1.71 | TRACE | .24 | 1.35 | 1.71 |
| 83 | .73 | .46 | .05 | .37 | .07 | .33 | .29 | .29 | .30 | .39 | .42 | .32 | .73 |
| 84 | .24 | TRACE | .40 | TRACE | .99 | .84 | .54 | .39 | .30 | .80 | .60 | .77 | .99 |
| 85 | .43 | .16 | .23 | .38 | .17 | .13 | .49 | .60 | .49 | 1.59 | .05 | .06 | 1.59 |
| 86 | TRACE | .24 | .22 | TRACE | .27 | .67 | .54 | .46 | .44 | .48 | 1.41 | .47 | 1.41 |
| 87 | .36 | .21 | .24 | .17 | .22 | .90 | .13 | .87 | .20 | .20 | .24 | .77 | .90 |
| 88 | .11 | .38 | .08 | .08 | .03 | .21 | 1.10 | 2.35 | .71 | .33 | .01 | .25 | 2.35 |
| 89 | .21 | .50 | .09 | .00 | .09 | TRACE | .26 | .86 | .56 | .09 | .10 | .29 | .86 |
| 90 | .58 | .49 | .37 | .45 | .72 | .44 | .83 | .79 | 1.02 | .82 | .30 | .25 | 1.02 |
| 91 | .38 | .37 | .04 | TRACE | .40 | .07 | .47 | .70 | .65 | .31 | | | .70* |
| GREATEST | 1.20 | .61 | 1.33 | .65 | 1.82 | 1.94 | 1.39 | 2.35 | 2.06 | 1.78 | 1.41 | 1.35 | 2.35 |
| TOTAL OBS | 1488 | 1356 | 1456 | 1410 | 1457 | 1410 | 1488 | 1488 | 1470 | 1519 | 1470 | 1519 | 17531 |

THE GREATEST VALUE OF 2.35 OCCURRED ON 08/04/88

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOWFALL IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4601-9110
MONTH: /LL HOURS: ALL

| AMOUNTS (INCHES) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|------------------------------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|-------|
| NONE | 92.0 | 94.0 | 96.7 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.7 | 96.7 | 94.3 | 97.7 |
| TRACE | 4.4 | 4.0 | 2.2 | .5 | | | | | | .2 | 2.1 | 3.2 | 1.4 |
| 0.1-0.4 | .9 | .8 | .1 | | | | | | | | .2 | .6 | .2 |
| 0.5-1.4 | 1.4 | .4 | .6 | .1 | | | | | | .1 | .5 | .6 | .3 |
| 1.5-2.4 | .6 | .5 | .2 | .1 | | | | | | | .1 | .4 | .2 |
| 2.5-3.4 | .2 | .1 | .1 | | | | | | | | .1 | .4 | .1 |
| 3.5-4.4 | .4 | .3 | .1 | .1 | | | | | | | .1 | .1 | .1 |
| 4.5-6.4 | | | | | | | | | | | | .1 | .0 |
| 6.5-10.4 | | | | | | | | | | | | .1 | .0 |
| 10.5-15.4 | | | | | | | | | | | | | |
| 15.5-25.4 | | | | | | | | | | | | | |
| 25.5-50.4 | | | | | | | | | | | | | |
| OVER 50.4 | | | | | | | | | | | | | |
| DAYS WITH NRAS AMTS | 3.5 | 2.0 | 1.1 | .2 | | | | | | .1 | 1.1 | 2.6 | .9 |
| TOTAL NO. OF OBSERVATIONS | 1395 | 1298 | 1394 | 1350 | 1383 | 1343 | 1416 | 1395 | 1350 | 1395 | 1350 | 1395 | 16464 |

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4601-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|-------|-------|--------|
| 46 | 2.1 | .4 | * | | .0* | * | .0 | .0 | .0 | .0 | 1.7 | .0 | 4.2* |
| 47 | * | .0 | .0 | .0 | * | .0* | .0* | * | * | * | .0 | .9 | .9* |
| 48 | 2.6 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.6 |
| 49 | 5.1 | .0 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 5.1 |
| 50 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 51 | 4.5 | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.0 | 7.7 |
| 52 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | TRACE |
| 53 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | TRACE |
| 54 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE |
| 55 | TRACE | TRACE | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | 2.0 |
| 56 | .0 | 5.5 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 5.5 |
| 57 | .0 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 |
| 58 | .6 | .0 | 2.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 3.1 |
| 59 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.2 | 2.2 |
| 60 | .5 | 4.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 17.6 | 22.2 |
| 61 | TRACE | TRACE | 1.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.4 | TRACE | 6.2 |
| 62 | 3.6 | .0 | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 4.2 |
| 63 | .6 | 2.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.0 |
| 64 | TRACE | 2.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 3.0 |
| 65 | .0 | TRACE | 1.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.4 |
| 66 | 3.6 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | 3.8 |
| 67 | .0 | 4.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.9 | 11.0 |
| 68 | 4.9 | 1.5 | 1.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .2 | 8.1 |
| 69 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .6 | .6 | 1.2 |
| 70 | .0 | .4 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 |
| 71 | .3 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .6 |
| 72 | 3.5 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.3 | TRACE | 6.8 |
| 73 | 6.7 | 3.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 10.4 |
| 74 | .5 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 4.8 | 5.3 |
| 75 | 1.1 | TRACE | 2.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 3.2 |
| 76 | .8 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .9 | 5.9 | .0 | 7.6 |
| 77 | TRACE | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE |
| 78 | 1.2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.1 | 3.4 |
| 79 | TRACE | 1.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | 1.5 |
| 80 | .3 | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 2.1 |

B - 3 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

TOTAL MONTHLY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4601-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|-------|------|------|------|------|------|-------|-------|-------|--------|
| 81 | 3.9 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.9 |
| 82 | 2.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 2.2 | 4.5 |
| 83 | .6 | TRACE | .0 | 7.0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 7.6 |
| 84 | TRACE | TRACE | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 7.6 | 11.6 |
| 85 | 6.2 | 1.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .8 | 8.4 |
| 86 | TRACE | 1.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .7 | 1.7 |
| 87 | 3.6 | 1.8 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 16.2 | 22.6 |
| 88 | TRACE | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | 5.0 |
| 89 | .0 | 2.0 | 3.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 5.1 |
| 90 | .9 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | .9 |
| 91 | 3.0 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | | | 3.0* |
| LEAST | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| GREATEST | 6.7 | 5.5 | 4.0 | 7.0 | .0 | .0 | .0 | .0 | .0 | .9 | 5.9 | 17.6 | 22.6 |
| MEAN | 1.4 | .8 | .4 | .1 | .0 | .0 | .0 | .0 | .0 | TRACE | .4 | 1.5 | 4.8 |
| MEDIAN | .5 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.4 |
| SD | 1.922 | 1.366 | .951 | 1.043 | .000 | .000 | .000 | .000 | .000 | .134 | 1.196 | 3.767 | 5.018 |
| TOTAL OBS | 1395 | 1298 | 1394 | 1350 | 1383 | 1343 | 1416 | 1395 | 1350 | 1395 | 1350 | 1395 | 16464 |

THE GREATEST VALUE OF 17.6 OCCURRED ON 12/60

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4601-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-------|-------|-------|-------|-----|-----|-----|-----|-----|-------|-------|-------|--------|
| 46 | 1.5 | .4 | * | | .0* | * | .0 | .0 | .0 | .0 | 1.7 | .0 | 1.7* |
| 47 | * | .0 | .0 | .0 | * | .0* | .0* | * | * | * | .0 | .9 | .9* |
| 48 | 2.0 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 |
| 49 | 3.7 | .0 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.7 |
| 50 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 |
| 51 | 3.9 | .2 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.5 | 3.9 |
| 52 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | TRACE |
| 53 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | TRACE |
| 54 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE |
| 55 | TRACE | TRACE | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | 1.0 |
| 56 | .0 | 4.0 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 4.0 |
| 57 | .0 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | .0 | 1.0 |
| 58 | .4 | .0 | 2.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 2.0 |
| 59 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.2 | 2.2 |
| 60 | .3 | 4.1 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.6 | 6.6 |
| 61 | TRACE | TRACE | 1.8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 3.8 | TRACE | 3.8 |
| 62 | 3.0 | .0 | .6 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 3.0 |
| 63 | .6 | 1.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 1.7 |
| 64 | TRACE | 1.7 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.0 | 1.7 |
| 65 | .0 | TRACE | .7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .7 |
| 66 | 1.8 | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | 1.8 |
| 67 | .0 | 3.7 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.8 | 3.7 |
| 68 | 3.6 | 1.5 | 1.4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .2 | 3.6 |
| 69 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .6 | .4 | .6 |
| 70 | .0 | .4 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 |
| 71 | .3 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .3 |
| 72 | 2.3 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.8 | TRACE | 2.8 |
| 73 | 4.0 | 3.6 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 4.0 |
| 74 | .5 | TRACE | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.8 | 2.8 |
| 75 | .9 | TRACE | 2.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 2.0 |
| 76 | .8 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .9 | 3.3 | .0 | 3.3 |
| 77 | TRACE | TRACE | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE |
| 78 | .8 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 1.9 | 1.9 |
| 79 | TRACE | 1.5 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | 1.5 |
| 80 | .3 | .8 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .7 | .0 | .8 |

B - 3 - 3A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOWFALL AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4601-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|-------|------|------|------|------|------|------|-------|-------|-------|--------|
| 81 | 2.2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 2.2 |
| 82 | 2.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | 2.1 | 2.1 |
| 83 | .6 | TRACE | .0 | 3.7 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | TRACE | 3.7 |
| 84 | TRACE | TRACE | 4.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 4.0 | 4.0 |
| 85 | 2.6 | 1.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .8 | 2.6 |
| 86 | TRACE | 1.0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .7 | 1.0 |
| 87 | 3.6 | 1.8 | 1.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | 6.8 | 6.8 |
| 88 | TRACE | 3.0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 2.0 | 3.0 |
| 89 | .0 | 2.0 | 3.1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | 3.1 |
| 90 | .9 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | .0 | .9 |
| 91 | 3.0 | .0 | TRACE | .0 | .0 | .0 | .0 | .0 | .0 | TRACE | | | 3.0* |
| GREATEST | 4.0 | 4.1 | 4.0 | 3.7 | .0 | .0 | .0 | .0 | .0 | .9 | 3.8 | 6.8 | 6.8 |
| TOTAL OBS | 1395 | 1298 | 1394 | 1350 | 1383 | 1343 | 1416 | 1395 | 1350 | 1395 | 1350 | 1395 | 16464 |

THE GREATEST VALUE OF 6.8 OCCURRED ON 12/13/87

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SNOW DEPTH IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-9110
MONTH: ALL HOURS: ALL

| AMOUNTS (INCHES) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|------------------------------|------|------|------|------|-------|-------|-------|-------|-------|------|------|------|-------|
| NONE | 95.2 | 97.4 | 99.3 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.9 | 98.7 | 95.5 | 98.8 |
| TRACE | 1.8 | 1.4 | .1 | .1 | | | | | | .1 | .6 | 1.7 | .5 |
| 1 | 1.6 | .5 | .5 | .1 | | | | | | | .3 | 1.3 | .4 |
| 2 | .9 | .4 | .1 | .1 | | | | | | | .2 | .5 | .2 |
| 3 | .3 | .1 | | | | | | | | | .1 | .3 | .1 |
| 4-6 | .1 | .1 | | | | | | | | | .1 | .6 | .1 |
| 7-12 | | | | | | | | | | | | .1 | .0 |
| 13-24 | | | | | | | | | | | | | |
| 25-36 | | | | | | | | | | | | | |
| 37-48 | | | | | | | | | | | | | |
| 49-60 | | | | | | | | | | | | | |
| 61-120 | | | | | | | | | | | | | |
| OVER 120 | | | | | | | | | | | | | |
| DAYS WITH MEAS AMTS | 3.0 | 1.2 | .6 | .1 | | | | | | | .7 | 2.8 | .7 |
| TOTAL NO. OF OBSERVATIONS | 1490 | 1383 | 1487 | 1410 | 1476 | 1433 | 1509 | 1488 | 1470 | 1519 | 1470 | 1519 | 17654 |

B - 4 - 1

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4279-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-------|-------|-------|-----|-----|-----|-----|-----|-----|-----|-------|-------|--------|
| 42 | | | | | | | | | 0 | 0 | 0 | 0 | 0* |
| 43 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 44 | TRACE | 0 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE |
| 45 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | TRACE |
| 46 | 1 | TRACE | * | | 0* | * | 0 | 0 | 0 | 0 | 0 | 0 | 1* |
| 47 | 1* | 0 | 0 | * | * | 0* | 0* | * | * | * | 0 | 1 | 1* |
| 48 | 2 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 49 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 50 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 51 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 52 | 0 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE |
| 53 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 54 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 55 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 56 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 4 |
| 57 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| 58 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 0 | 2 |
| 59 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | TRACE |
| 60 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| 61 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 62 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 63 | TRACE | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 64 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 65 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 66 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| 67 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 4 |
| 68 | 5 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 0 | 5 |
| 69 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 70 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 71 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 72 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| 73 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 74 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| 75 | 2 | TRACE | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |

B - 4 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

EXTREME DAILY SNOW DEPTH AMOUNTS IN INCHES
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|-------|-------|------|------|------|------|------|------|------|--------|-------|-------|--------|
| 76 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 2 | 6 |
| 77 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 78 | 1 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| 79 | 0 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE |
| 80 | TRACE | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 0 | 1 |
| 81 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 82 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 1 | 2 |
| 83 | 4 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 0 | 4 |
| 84 | TRACE | TRACE | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 6 |
| 85 | 3 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| 86 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 1 |
| 87 | 3 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 8 |
| 88 | TRACE | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 89 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| 90 | TRACE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | 0 | TRACE |
| 91 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | TRACE | | | 1* |
| GREATEST | 5* | 4 | 2* | 2* | 0* | 0* | 0* | 0* | 0* | TRACE* | 6 | 8 | 8* |
| TOTAL OBS | 1490 | 1383 | 1487 | 1410 | 1476 | 1433 | 1509 | 1488 | 1470 | 1519 | 1470 | 1519 | 17654 |

THE GREATEST VALUE OF 8 OCCURRED ON 12/14/87

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

B - 4 - 2B

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

FIRST AND LAST DAYS OF OCCURRENCE BY SNOW-YEAR
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM

PERIOD OF RECORD: 4901-5206

SNOW-YEAR: 1 AUG - 31 JUL

| SNOW-YEAR | FIRST SNOWFALL | FIRST MEASURABLE SNOWFALL | FIRST MEASURABLE SNOW DEPTH | LAST SNOWFALL | LAST MEASURABLE SNOWFALL | LAST MEASURABLE SNOW DEPTH |
|-------------|-------------------|---------------------------------|-----------------------------------|------------------|--------------------------------|----------------------------------|
| 48 - 49 | JAN 02 | JAN 16 | JAN 17 | APR 10 | JAN 26 | JAN 26 |
| 49 - 50 | DEC 10 | | | DEC 21 | | |
| 50 - 51 | JAN 02 | JAN 02 | JAN 31 | MAR 28 | FEB 13 | FEB 02 |
| 51 - 52 | DEC 07 | DEC 07 | DEC 08 | FEB 15 | DEC 08 | DEC 08 |
| MEDIAN-DATE | DEC 21 | JAN 02 | JAN 17 | MAR 07 | JAN 26 | JAN 26 |

| | | | | |
|----------|----------|----------|----------|----------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTT | CCCCC |
| PPPPPPPP | AAAAAAA | RRRRRRRR | TTTTTTTT | CCCCCCCC |
| PP PP | AA AA | RR RR | TT | CC CC |
| PP PP | AA AA | RR RR | TT | CC |
| PPPPPPPP | AA AA | RRRRRRRR | TT | CC |
| PPPPPPPP | AAAAAAAA | RRRRRRRR | TT | CC |
| PP | AAAAAAAA | RR RR | TT | CC |
| PP | AA AA | RR RR | TT | CC CC |
| PP | AA AA | RR RR | TT | CCCCCCCC |
| PP | AA AA | RR RR | TT | CCCCC |

C - 1 - 1

PART C

SURFACE WIND SUMMARIES

PEAK WINDS.

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA. SPEEDS ARE IN KNOTS. DIRECTIONS ARE TO 16 COMPASS POINTS FROM THE BEGINNING OF PERIOD OF RECORD THROUGH JUNE 1968, BUT IN JULY 1968, ALL STATIONS EXCEPT THOSE OF THE NATIONAL WEATHER SERVICE STARTED RECORDING DIRECTIONS IN TENS OF DEGREES. DATA IS SUMMARIZED BY MONTH FOR EACH YEAR FOR THE ENTIRE PERIOD OF RECORD AVAILABLE. GIVEN: THE GREATEST MONTHLY VALUE FOR ALL YEARS COMBINED, THE GREATEST YEARLY VALUE FOR ALL YEARS COMBINED, AND THE DATE OF THE ABSOLUTE PEAK WIND RECORDED FOR THE ENTIRE PERIOD OF RECORD. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

PEAK WINDS--PERCENT OCCURRENCE FREQUENCY.

ALSO FROM SUMMARY OF DAY DATA. DATA IS SUMMARIZED BY MONTH, FOR ALL YEARS COMBINED, FOR ELEVEN WIND SPEED GROUPS. THE 1-4 KNOT SPEED GROUP INCLUDES CALM WINDS. IF THE PEAK WIND IS REPORTED FOR A PARTICULAR DAY AS "CALM," THAT COUNT GOES INTO THE "1-4 KNOT" CATEGORY. TABLES INCLUDE MEANS, MEDIAN, AND TOTAL OBSERVATION COUNTS. THE VALUES IN THIS SUMMARY ACCOUNT FOR A PEAK WIND BEING RECORDED FOR EACH DAY OF EACH MONTH.

WIND DIRECTION VS WIND SPEED--PERCENT OCCURRENCE FREQUENCY.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS. THEY SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

THESE TABLES GIVE A BIVARIATE DISTRIBUTION OF THE PERCENT OCCURRENCE FREQUENCY (POF) FOR ELEVEN WIND SPEED GROUPS VERSUS TWELVE WIND DIRECTION SECTORS GIVEN IN 30 DEGREE INCREMENTS. "CALM" AND "VARIABLE" WINDS ARE GIVEN SEPARATELY. CARDINAL WIND DIRECTIONS (N,E,S,W) APPEAR FOR REFERENCE. TOTAL PERCENTAGES, MEANS, AND MEDIAN, FOR EACH SECTOR, ALONG WITH TOTAL OBSERVATION COUNTS, ARE PRINTED BELOW EACH SUMMARY.

ALSO PROVIDED: A BIVARIATE DISTRIBUTION OF WIND DIRECTION VERSUS WIND SPEED FOR SPECIFIED CEILING/VISIBILITY CONDITIONS. THESE CONDITIONS ARE:

WHEN THE VISIBILITY IS GREATER THAN OR EQUAL TO 1/2 MILES (0800 METERS) THE CEILING MUST BE GREATER THAN OR EQUAL TO 200 FEET BUT LESS THAN 1500 FEET. IF THIS CONDITION IS NOT MET, THEN THE FOLLOWING CONDITION IS TESTED: WHEN THE CEILING IS GREATER THAN OR EQUAL TO 200 FEET, THE VISIBILITY MUST BE GREATER THAN OR EQUAL TO 1/2 (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS).

CONVERSION: 1 KNOT = .514791 METERS PER SECOND

OPERATING LOCATION 'A'
USAFETAC, ASSEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4601-4601,5202-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 46 | NNW*23 | | | | | | | | | | | | NNW*23 |
| 52 | | NNW*30 | WSW 51 | SW 40 | NNW 41 | WSW 37 | SSE 35 | NE 35 | SSE 35 | S 21 | W 41 | W 39 | WSW*51 |
| 53 | W 35 | WSW 35 | SW 38 | W 46 | WSW 40 | SSE 42 | W 43 | NW 34 | SSW 24 | W 34 | WSW 38 | SSW 42 | W 46 |
| 54 | WSW 67 | NNW 49 | W 47 | N 45 | W 45 | SW 52 | NE 40 | N 41 | NNE 34 | S 29 | NW 29 | S 37 | WSW 67 |
| 55 | WSW 39 | SW 36 | W 38 | W 43 | SSW 46 | ENE 39 | NNW 40 | N 35 | S 40 | NNW 27 | W 41 | W 30 | SSW 46 |
| 56 | WSW 32 | W 47 | WSW 41 | WSW 43 | SSE 36 | SSW 45 | SE 40 | ENE 35 | NE 32 | SW 35 | WNW 39 | NNW 28 | W 47 |
| 57 | SW 37 | WSW 27 | SSW 39 | W 41 | SW 57 | W 35 | ESE 46 | WSW 32 | W *29 | WNW 45 | N 31 | WNW 25 | SW *57 |
| 58 | SW 38 | SSW 40 | WNW 38 | W 44 | S 42 | NNW 42 | WNW 44 | ENE 33 | N 31 | SW 23 | S 28 | WSW 35 | W 44 |
| 59 | SW 35 | SW 39 | WSW 38 | N 32 | SW 35 | N 41 | N 43 | SSE 40 | S 31 | SSW 37 | N 28 | W 40 | N 43 |
| 60 | WSW 42 | WSW 49 | W 38 | SSW 39 | NNW 46 | W 41 | S 47 | W 37 | SW 45 | S 32 | SSW 35 | WSW 26 | WSW 49 |
| 61 | NNW 21 | WSW 36 | S 46 | WSW 38 | WSW 40 | NNW 55 | E 41 | ESE 31 | NNW 30 | SE 38 | WSW 30 | WSW 40 | NNW 55 |
| 62 | SSW 31 | SW 41 | WSW 45 | WSW 49 | SW 33 | N 33 | NE 34 | NNE 43 | NNW 30 | SSW 27 | SW 28 | SSE 26 | WSW 49 |
| 63 | WSW 35 | SW 34 | S 39 | S 42 | W 43 | SW 44 | ENE 37 | N 37 | SSE 28 | NW 34 | WSW 38 | N 38 | SW 44 |
| 64 | W 42 | WNW 36 | SSW 50 | WSW 40 | WNW 50 | N 36 | ESE 36 | SSE 37 | SSE 40 | NNE 26 | SW 37 | W 32 | SSW 50 |
| 65 | W 45 | WSW 31 | SW 33 | WNW 38 | NNW 45 | WNW 53 | N 38 | N 48 | SSE 34 | SSW 37 | WSW 38 | SW 32 | WNW 53 |
| 66 | SSW 31 | SW 33 | SSW 41 | NE 44 | NNW 69 | SE 37 | NW 43 | N 58 | NNW 35 | W 50 | S 34 | WSW 37 | NNW 69 |
| 67 | WSW 36 | W 39 | SSW 46 | WSW 42 | WSW 51 | NW 45 | ESE 46 | NE 45 | NNW 41 | NNW 39 | WSW 29 | ESE 33 | WSW 51 |
| 68 | SW 26 | NW 39 | SSW 34 | W 45 | N 37 | NNE 52 | 09/ 40 | 29/ 37 | 35/ 31 | 19/ 25 | 35/ 36 | 23/ 39 | NNE 52 |
| 69 | 28/ 33 | 25/ 37 | 30/ 40 | 12/ 48 | 09/ 37 | 17/ 45 | 16/ 32 | 33/ 38 | 36/ 38 | 25/ 31 | 01/ 28 | 27/ 33 | 12/ 48 |
| 70 | 26/ 28 | 25/ 34 | 28/ 46 | 24/ 45 | 05/ 38 | 28/ 45 | 35/ 37 | 06/ 33 | 33/ 32 | 34/ 41 | 27/ 32 | 26/ 46 | 28/ 46 |
| 71 | 21/ 36 | 24/ 46 | 24/ 46 | 19/ 41 | 22/ 47 | 16/ 38 | 34/ 50 | 29/ 41 | 19/ 24 | 19/ 31 | 25/ 32 | 20/ 27 | 34/ 50 |
| 72 | 24/ 35 | 35/ 32 | 28/ 40 | 24/ 40 | 19/ 39 | 35/ 44 | 35/ 47 | 07/ 34 | 05/ 32 | 25/ 43 | 25/ 29 | 26/ 49 | 26/ 49 |
| 73 | 28/ 36 | 27/ 27 | 26/ 36 | 26/ 40 | 11/ 38 | 09/ 39 | 23/ 38 | 13/ 33 | 09/ 29 | 24/ 38 | 28/*34 | 22/*37 | 26/*40 |
| 74 | 22/ 31 | 24/ 32 | 24/ 36 | 27/ 48 | 24/ 27 | 08/ 44 | 24/ 42 | 36/ 39 | 31/ 35 | 29/ 31 | 17/ 23 | 22/ 38 | 27/ 48 |
| 75 | 29/ 40 | 25/ 36 | 25/ 39 | 23/ 41 | 25/ 35 | 23/ 45 | 22/ 37 | 10/ 51 | 36/ 36 | 28/ 28 | 26/ 58 | 24/ 32 | 26/ 58 |
| 76 | 35/ 32 | 27/ 30 | 19/ 40 | 24/ 38 | 25/ 40 | 35/ 34 | 36/ 36 | 01/ 35 | 05/ 31 | 27/ 34 | 35/ 31 | 32/ 26 | 19/ 40 |
| 77 | 24/ 30 | 26/ 47 | 27/ 42 | 25/ 36 | 27/ 41 | 10/ 33 | 34/ 39 | 09/ 36 | 08/ 34 | 14/ 23 | 22/ 40 | 26/ 45 | 26/ 47 |
| 78 | 24/ 23 | 29/ 31 | 23/ 37 | 21/ 41 | 13/ 38 | 31/ 35 | 04/ 36 | 06/ 31 | 22/ 26 | 22/ 32 | 21/ 34 | 22/ 37 | 21/ 41 |
| 79 | 23/ 36 | 25/ 27 | 26/ 36 | 22/ 42 | 24/ 36 | 32/ 37 | 06/ 57 | 30/ 37 | 08/ 32 | 23/ 37 | 24/ 34 | 27/ 47 | 06/ 57 |
| 80 | 25/ 31 | 24/ 35 | 27/ 49 | 25/ 46 | 20/ 45 | 08/ 46 | 01/ 38 | 02/ 35 | 17/ 23 | 22/ 32 | 30/ 27 | 32/ 15 | 27/ 49 |

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PEAK SURFACE WINDS IN KNOTS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4601-4601,5202-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 81 | 26/ 20 | 33/ 35 | 26/ 40 | 25/ 42 | 23/ 36 | 05/ 40 | 36/ 38 | 18/ 48 | 33/ 34 | 24/ 43 | 23/ 36 | 23/ 36 | 18/ 48 |
| 82 | 20/ 38 | 33/ 32 | 26/ 50 | 24/ 38 | 27/ 40 | 15/ 40 | 25/ 35 | 31/ 36 | 28/ 38 | 35/ 25 | 16/ 26 | 19/ 40 | 26/ 50 |
| 83 | 23/ 29 | 31/ 27 | 24/ 39 | 24/ 45 | 30/ 41 | 35/ 42 | 03/ 39 | 04/ 46 | 28/ 34 | 26/ 28 | 21/ 42 | 25/ 44 | 04/ 46 |
| 84 | 06/ 25 | 25/ 43 | 24/ 43 | 22/ 67 | 21/ 30 | 19/ 38 | 34/ 30 | 06/ 46 | 30/ 26 | 20/ 37 | 34/ 26 | 16/ 35 | 22/ 67 |
| 85 | 20/ 28 | 15/ 33 | 25/ 40 | 32/ 41 | 32/ 41 | 13/ 38 | 07/ 38 | 19/ 40 | 26/ 29 | 22/ 28 | 25/ 38 | 21/ 19 | 32/ 41 |
| 86 | 02/ 32 | 35/ 30 | 24/ 38 | 26/ 42 | 26/ 36 | 34/ 33 | 21/ 33 | 08/ 35 | 19/ 30 | 34/ 23 | 27/ 22 | 24/ 20 | 26/ 42 |
| 87 | 22/ 31 | 34/ 36 | 24/*44 | 35/ 39 | 34/ 39 | 34/ 35 | 16/ 40 | 11/ 35 | 27/ 34 | 27/ 34 | 25/ 42 | 24/ 34 | 24/*44 |
| 88 | 24/ 35 | 01/ 25 | 25/ 30 | 23/ 40 | 22/ 41 | 28/ 34 | 27/ 45 | 07/ 60 | 03/ 44 | 18/ 26 | 27/ 32 | 22/ 28 | 07/ 60 |
| 89 | 23/ 29 | 16/ 28 | 24/ 36 | 26/ 29 | 15/ 48 | 29/ 44 | 28/ 46 | 01/ 35 | 12/ 29 | 30/ 32 | 25/ 27 | 36/ 22 | 15/ 48 |
| 90 | 35/ 27 | 18/ 35 | 23/ 28 | 18/ 36 | 23/ 27 | 15/ 34 | 01/ 45 | 01/ 32 | 01/ 42 | 26/ 27 | 24/ 26 | 21/ 30 | 01/ 45 |
| 91 | 33/ 22 | 23/ 34 | 27/ 50 | 24/ 40 | 24/ 28 | 25/ 35 | 14/ 42 | 09/ 40 | 20/ 36 | 23/ 49 | | | 27/*50 |
| GREATEST | WSW 67 | NNW 49 | WSW 51 | 22/ 67 | NNW 69 | NNW 55 | 06/ 57 | 07/ 60 | SW 45 | W 50 | 26/ 58 | 26/ 49 | NNW 69 |
| TOTAL OBS | 1220 | 1102 | 1232 | 1197 | 1238 | 1197 | 1239 | 1238 | 1192 | 1235 | 1159 | 1198 | 14447 |

THE PEAK WIND OF 69 FROM NNW OCCURRED ON 05/19/66

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH
\$THE VALUE IS 100 OR GREATER WITH LESS THAN 90% OF DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF DAILY PEAK WINDS
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4601-4601,5202-9110
MONTH: ALL HOURS: ALL

| MONTH | WIND SPEEDS IN KNOTS | | | | | | | | | | | MEAN WIND | MEDIAN WIND | TOTAL OBS |
|--------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|----------------|--------------|
| | CALM-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| JAN | .2 | 26.9 | 30.5 | 19.8 | 12.0 | 5.6 | 3.1 | 1.5 | .3 | .0 | .1 | 14.8 | 13.0 | 1220 |
| FEB | .4 | 12.9 | 32.5 | 21.1 | 16.2 | 9.3 | 4.3 | 2.1 | 1.4 | .0 | .0 | 17.1 | 15.0 | 1102 |
| MAR | .6 | 5.9 | 19.6 | 22.8 | 20.6 | 14.0 | 8.5 | 5.4 | 2.3 | .3 | .0 | 20.9 | 20.0 | 1232 |
| APR | .0 | 1.3 | 15.1 | 23.8 | 22.8 | 16.2 | 9.9 | 6.9 | 3.7 | .1 | .1 | 22.8 | 22.0 | 1197 |
| MAY | .0 | .9 | 9.6 | 23.6 | 27.3 | 19.6 | 10.4 | 5.9 | 2.3 | .3 | .1 | 23.2 | 22.0 | 1238 |
| JUN | .1 | .5 | 9.8 | 23.5 | 28.4 | 20.9 | 10.0 | 4.0 | 2.5 | .3 | .0 | 23.0 | 22.0 | 1197 |
| JUL | .1 | 1.2 | 10.8 | 27.6 | 26.9 | 18.6 | 9.3 | 3.2 | 2.0 | .2 | .0 | 22.2 | 21.0 | 1239 |
| AUG | .1 | 2.7 | 17.1 | 28.4 | 26.7 | 13.2 | 7.8 | 2.3 | 1.3 | .3 | .0 | 20.6 | 20.0 | 1238 |
| SEP | .6 | 6.8 | 31.3 | 26.8 | 20.4 | 8.7 | 4.0 | .8 | .5 | .0 | .0 | 17.4 | 16.0 | 1192 |
| OCT | .9 | 20.6 | 35.7 | 19.9 | 13.7 | 5.9 | 1.9 | .9 | .5 | .1 | .0 | 14.8 | 13.0 | 1235 |
| NOV | .3 | 26.2 | 31.5 | 19.4 | 11.7 | 6.6 | 2.4 | 1.1 | .6 | .1 | .0 | 14.8 | 13.0 | 1159 |
| DEC | 1.4 | 31.8 | 31.0 | 15.5 | 10.9 | 4.8 | 2.2 | 1.5 | .8 | .0 | .0 | 13.9 | 12.0 | 1198 |
| ANNUAL | .4 | 11.4 | 22.7 | 22.7 | 19.9 | 12.0 | 6.2 | 3.0 | 1.5 | .2 | .0 | 18.8 | 18.0 | 14447 |

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| N) 350-010 | 10.2 | 3.4 | .6 | | | | | | | | | 14.3 | 3.9 | 4.0 |
| 020-040 | 8.8 | .9 | | | | | | | | | | 9.7 | 2.8 | 3.0 |
| 050-070 | 6.0 | .6 | | | | | | | | | | 6.7 | 2.9 | 3.0 |
| E) 080-100 | 4.6 | .9 | | | | | | | | | | 5.5 | 2.8 | 2.0 |
| 110-130 | 4.7 | 2.3 | .1 | | | | | | | | | 7.1 | 4.0 | 4.0 |
| 140-160 | 3.9 | 3.4 | .6 | | | | | | | | | 8.0 | 4.9 | 5.0 |
| S) 170-190 | 2.2 | 1.8 | .6 | | | | | | | | | 4.6 | 5.0 | 5.0 |
| 200-220 | 1.1 | .3 | .1 | | | | | | | | | 1.5 | 4.4 | 3.5 |
| 230-250 | .4 | .6 | .3 | .2 | | | | | | | | 1.6 | 7.5 | 6.0 |
| W) 260-280 | 1.5 | .3 | | | | | | | | | | 1.8 | 3.4 | 3.0 |
| 290-310 | 2.8 | .2 | | | | | | | | | | 3.0 | 2.5 | 2.0 |
| 320-340 | 2.4 | 1.2 | .3 | .1 | | | | | | | | 4.0 | 4.7 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 32.3 | //////// | |
| TOTALS | 48.6 | 15.9 | 2.6 | .3 | | | | | | | | 100.0 | 2.6 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 9.6 | 4.3 | .6 | .1 | | | | | | | | 14.6 | 4.4 | 4.0 |
| 020-040 | 9.1 | 1.3 | | | | | | | | | | 10.4 | 2.8 | 3.0 |
| 050-070 | 5.1 | .8 | | | | | | | | | | 5.8 | 2.9 | 2.0 |
| (E) 080-100 | 4.5 | .8 | | | | | | | | | | 5.3 | 3.0 | 3.0 |
| 110-130 | 4.2 | 1.8 | | | | | | | | | | 6.0 | 3.5 | 3.0 |
| 140-160 | 5.1 | 2.6 | .1 | | | | | | | | | 7.7 | 3.9 | 3.0 |
| (S) 170-190 | 2.4 | 1.1 | | | | | | | | | | 3.4 | 3.8 | 3.0 |
| 200-220 | 1.1 | .6 | .5 | .1 | | | | | | | | 2.4 | 6.5 | 5.5 |
| 230-250 | 1.0 | .5 | .8 | .3 | | | | | | | | 2.6 | 7.8 | 7.5 |
| (W) 260-280 | .8 | .1 | | | | | | | | | | .9 | 3.0 | 2.0 |
| 290-310 | 2.7 | .5 | | | | | | | | | | 3.2 | 2.8 | 2.0 |
| 320-340 | 3.8 | 1.8 | .4 | .2 | | | | | | | | 6.2 | 4.6 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 31.4 | //////// | |
| TOTALS | 49.4 | 16.2 | 2.4 | .7 | | | | | | | | 100.0 | 2.7 | 3.0 |
| TOTAL NUMBER OF OBSERVATIONS 930 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 06-08

| WIND SPEED IN KNOTS | | | | | | | | | | | | | | |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION (DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | 8.5 | 6.1 | .9 | | | | | | | | | 15.5 | 4.5 | 4.0 |
| 020-040 | 7.4 | .1 | .1 | | | | | | | | | 7.6 | 2.4 | 2.0 |
| 050-070 | 6.0 | | .1 | | | | | | | | | 6.1 | 2.4 | 2.0 |
| (E) 080-100 | 4.7 | .2 | | | | | | | | | | 4.9 | 2.3 | 2.0 |
| 110-130 | 6.1 | 1.2 | | | | | | | | | | 7.3 | 2.9 | 2.0 |
| 140-160 | 4.0 | 3.3 | .3 | | | | | | | | | 7.6 | 5.1 | 4.0 |
| (S) 170-190 | 3.2 | 1.0 | .8 | | | | | | | | | 4.9 | 4.7 | 4.0 |
| 200-220 | 1.3 | .5 | .1 | | | | | | | | | 1.9 | 4.1 | 2.5 |
| 230-250 | 1.0 | .6 | .4 | .1 | | | | | | | | 2.2 | 6.4 | 5.0 |
| (W) 260-280 | 1.3 | .1 | | .1 | | | | | | | | 1.5 | 3.6 | 2.0 |
| 290-310 | .8 | .8 | | | | | | | | | | 1.5 | 4.7 | 4.5 |
| 320-340 | 3.3 | 1.4 | .5 | | | | | | | | | 5.3 | 4.1 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 33.5 | //////////////////////////////// | |
| TOTALS | 47.6 | 15.3 | 3.2 | .2 | | | | | | | | 100.0 | 2.5 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.2 | 5.8 | 3.7 | .6 | .1 | | | | | | | 13.4 | 7.6 | 7.0 |
| 020-040 | 1.1 | .5 | .2 | | | | | | | | | 1.8 | 5.3 | 4.0 |
| 050-070 | 1.3 | .1 | .2 | | | | | | | | | 1.6 | 3.9 | 2.0 |
| (E) 080-100 | 1.8 | .2 | | | | | | | | | | 2.0 | 2.4 | 2.0 |
| 110-130 | 5.4 | 1.0 | .4 | .1 | | | | | | | | 6.9 | 3.7 | 3.0 |
| 140-160 | 7.6 | 4.4 | 1.4 | | | | | | | | | 13.4 | 4.9 | 4.0 |
| (S) 170-190 | 8.2 | 2.9 | 1.1 | .1 | | | | | | | | 12.3 | 4.5 | 3.0 |
| 200-220 | 3.8 | 1.2 | 1.0 | .1 | | | | | | | | 6.0 | 4.8 | 4.0 |
| 230-250 | 1.5 | 1.2 | .5 | | | | | | | | | 3.2 | 5.4 | 5.0 |
| (W) 260-280 | 2.2 | .3 | .4 | .1 | | | | | | | | 3.0 | 4.5 | 2.5 |
| 290-310 | 2.2 | 1.1 | .1 | .1 | | | | | | | | 3.4 | 4.5 | 3.5 |
| 320-340 | 2.9 | 3.9 | 1.0 | .3 | | | | | | | | 8.1 | 6.4 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 24.7 | //////// | |
| TOTALS | 41.2 | 22.6 | 10.0 | 1.4 | .1 | | | | | | | 100.0 | 4.0 | 4.0 |
| TOTAL NUMBER OF OBSERVATIONS 930 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.7 | 4.7 | 2.6 | .4 | | | | | | | | 9.5 | 7.8 | 8.0 |
| 020-040 | .8 | 1.0 | .4 | | | | | | | | | 2.2 | 6.3 | 5.5 |
| 050-070 | .6 | | | | | | | | | | | .6 | 2.0 | 2.0 |
| (E) 080-100 | .9 | .2 | | | | | | | | | | 1.1 | 2.7 | 2.0 |
| 110-130 | 2.2 | .6 | .1 | | | | | | | | | 2.9 | 3.5 | 3.0 |
| 140-160 | 6.0 | 3.1 | 1.4 | .1 | | | | | | | | 10.6 | 5.0 | 4.0 |
| (S) 170-190 | 8.6 | 4.1 | 1.8 | .5 | | | | | | | | 15.1 | 5.2 | 4.0 |
| 200-220 | 4.7 | 3.0 | 1.3 | .4 | .1 | | | | | | | 9.6 | 5.7 | 5.0 |
| 230-250 | 2.7 | 2.3 | .9 | .6 | .4 | .1 | | | | | | 7.0 | 8.0 | 6.0 |
| (W) 260-280 | 4.0 | 2.5 | .2 | .3 | .2 | | | | | | | 7.2 | 5.7 | 4.0 |
| 290-310 | 4.2 | 4.1 | .4 | | | | | | | | | 8.7 | 4.9 | 5.0 |
| 320-340 | 4.5 | 4.9 | 1.8 | .5 | .1 | | | | | | | 11.9 | 6.6 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 13.7 | //////// | |
| TOTALS | 40.9 | 30.5 | 10.9 | 2.8 | .8 | .1 | | | | | | 100.0 | 5.1 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLoman AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.4 | 3.8 | 1.2 | .5 | | | | | | | | 8.9 | 6.6 | 6.0 |
| 020-040 | 1.1 | .2 | | .2 | | | | | | | | 1.5 | 5.5 | 3.0 |
| 050-070 | .9 | .4 | .2 | | | | | | | | | 1.5 | 4.9 | 4.0 |
| (E) 080-100 | .5 | .1 | | | | | | | | | | .6 | 2.7 | 2.0 |
| 110-130 | 2.5 | .5 | .1 | | | | | | | | | 3.1 | 3.1 | 2.0 |
| 140-160 | 5.8 | 2.8 | 1.4 | .2 | | | | | | | | 10.2 | 5.1 | 4.0 |
| (S) 170-190 | 4.9 | 3.4 | 2.2 | .3 | .1 | | | | | | | 11.0 | 6.2 | 5.0 |
| 200-220 | 4.9 | 3.1 | 1.8 | | .2 | | | | | | | 10.1 | 5.7 | 5.0 |
| 230-250 | 2.4 | 1.9 | 1.4 | 1.1 | .4 | .2 | | | | | | 7.4 | 8.9 | 7.0 |
| (W) 260-280 | 4.7 | 2.0 | .5 | .1 | .1 | | | | | | | 7.5 | 4.8 | 4.0 |
| 290-310 | 7.8 | 2.5 | .6 | | .1 | | | | | | | 11.1 | 4.0 | 3.0 |
| 320-340 | 3.7 | 4.2 | 1.4 | .2 | | | | | | | | 9.5 | 5.9 | 5.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 17.5 | //////// | |
| TOTALS | 42.6 | 24.9 | 10.8 | 2.6 | .9 | .2 | | | | | | 100.0 | 4.7 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL & | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 10.1 | 3.1 | .3 | | | | | | | | | 13.5 | 3.8 | 4.0 |
| 020-040 | 8.2 | 1.5 | .2 | | | | | | | | | 9.9 | 3.6 | 4.0 |
| 050-070 | 6.2 | 1.0 | .1 | .1 | | | | | | | | 7.4 | 3.5 | 3.0 |
| (E) 080-100 | 4.0 | 1.1 | | | | | | | | | | 5.1 | 3.4 | 3.0 |
| 110-130 | 3.1 | 1.2 | | | | | | | | | | 4.3 | 3.8 | 3.0 |
| 140-160 | 4.0 | 4.5 | .8 | .1 | | | | | | | | 9.4 | 5.4 | 5.0 |
| (S) 170-190 | 2.7 | 1.9 | .8 | | | | | | | | | 5.4 | 5.1 | 4.5 |
| 200-220 | 2.4 | 1.2 | .8 | | .3 | | | | | | | 4.6 | 6.5 | 4.0 |
| 230-250 | 1.4 | 1.7 | .3 | .3 | | | | | | | | 3.8 | 6.2 | 5.0 |
| (W) 260-280 | 1.2 | .8 | .2 | | | | | | | | | 2.2 | 4.6 | 4.0 |
| 290-310 | 3.4 | .5 | .2 | | | | | | | | | 4.2 | 3.4 | 3.0 |
| 320-340 | 4.6 | 1.4 | | | | | | | | | | 6.0 | 3.5 | 3.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 24.3 | //////// | |
| TOTALS | 51.3 | 19.9 | 3.7 | .5 | .3 | | | | | | | 100.0 | 3.2 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 11.7 | 4.1 | .3 | .1 | | | | | | | | 16.2 | 3.9 | 4.0 |
| 020-040 | 8.3 | 1.6 | .1 | | | | | | | | | 10.0 | 3.4 | 3.0 |
| 050-070 | 8.2 | .3 | .2 | | | | | | | | | 8.7 | 3.0 | 3.0 |
| (E) 080-100 | 3.3 | .6 | | | | | | | | | | 4.0 | 3.1 | 3.0 |
| 110-130 | 4.6 | 2.2 | .3 | | | | | | | | | 7.1 | 4.2 | 4.0 |
| 140-160 | 5.4 | 3.4 | .8 | | | | | | | | | 9.6 | 4.6 | 4.0 |
| (S) 170-190 | 3.7 | 1.2 | .6 | | | | | | | | | 5.5 | 4.5 | 4.0 |
| 200-220 | 1.3 | .4 | .6 | .1 | .3 | | | | | | | 2.8 | 7.7 | 5.5 |
| 230-250 | 1.1 | 1.1 | .2 | | | | | | | | | 2.4 | 5.2 | 5.5 |
| (W) 260-280 | 1.2 | .1 | .2 | | | | | | | | | 1.5 | 3.7 | 3.0 |
| 290-310 | 2.7 | .6 | | | | | | | | | | 3.3 | 3.3 | 3.0 |
| 320-340 | 2.8 | 1.0 | .1 | | | | | | | | | 3.9 | 3.9 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 25.1 | //////// | |
| TOTALS | 54.3 | 16.6 | 3.4 | .2 | .3 | | | | | | | 100.0 | 3.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 7.3 | 4.4 | 1.3 | .2 | .0 | | | | | | | 13.3 | 5.1 | 4.0 |
| 020-040 | 5.6 | .9 | .1 | .0 | | | | | | | | 6.6 | 3.3 | 3.0 |
| 050-070 | 4.3 | .4 | .1 | .0 | | | | | | | | 4.8 | 3.1 | 3.0 |
| (E) 080-100 | 3.1 | .5 | | | | | | | | | | 3.6 | 2.9 | 2.0 |
| 110-130 | 4.1 | 1.3 | .1 | .0 | | | | | | | | 5.6 | 3.6 | 3.0 |
| 140-160 | 5.2 | 3.5 | .8 | .1 | | | | | | | | 9.6 | 4.9 | 4.0 |
| (S) 170-190 | 4.5 | 2.2 | 1.0 | .1 | .0 | | | | | | | 7.8 | 5.0 | 4.0 |
| 200-220 | 2.6 | 1.3 | .8 | .1 | .1 | | | | | | | 4.9 | 5.7 | 4.0 |
| 230-250 | 1.4 | 1.3 | .6 | .3 | .1 | .0 | | | | | | 3.8 | 7.3 | 6.0 |
| (W) 260-280 | 2.1 | .8 | .2 | .1 | .0 | | | | | | | 3.2 | 4.7 | 4.0 |
| 290-310 | 3.3 | 1.3 | .2 | .0 | .0 | | | | | | | 4.8 | 3.9 | 3.0 |
| 320-340 | 3.5 | 2.5 | .7 | .2 | .0 | | | | | | | 6.9 | 5.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.3 | //////// | |
| TOTALS | 47.0 | 20.4 | 5.9 | 1.1 | .2 | | | | | | | 100.0 | 3.5 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.0 | 2.3 | | | | | | | | | | 5.3 | 4.1 | 4.0 |
| 020-040 | .8 | .8 | | | | | | | | | | 1.5 | 3.5 | 3.5 |
| 050-070 | 2.3 | | .8 | | | | | | | | | 3.0 | 5.5 | 4.0 |
| (E) 080-100 | .8 | .8 | | | | | | | | | | 1.5 | 5.0 | 5.0 |
| 110-130 | 2.3 | .8 | | | | | | | | | | 3.0 | 3.8 | 2.5 |
| 140-160 | 3.8 | 3.8 | | | | | | | | | | 7.5 | 4.8 | 4.5 |
| (S) 170-190 | 3.8 | 3.0 | .8 | | | | | | | | | 7.5 | 4.8 | 4.5 |
| 200-220 | 6.8 | .8 | .8 | | | | | | | | | 8.3 | 3.5 | 2.0 |
| 230-250 | 4.5 | 3.0 | | .8 | | | | | | | | 8.3 | 5.3 | 4.0 |
| (W) 260-280 | 3.0 | 1.5 | | | | | | | | | | 4.5 | 3.8 | 2.0 |
| 290-310 | 3.8 | 2.3 | | | | | | | | | | 6.0 | 4.3 | 3.5 |
| 320-340 | 3.0 | 4.5 | .8 | 1.5 | | | | | | | | 9.8 | 7.5 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 33.8 | //////////////////////////////// | |
| TOTALS | 37.9 | 23.6 | 3.2 | 2.3 | | | | | | | | 100.0 | 3.2 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 133

OPERATING LOCATION "A"
 USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
 FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
 LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
 MONTH: FEB HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | | | | |
| (N) 350-010 | 5.4 | 4.4 | .5 | | | | | | | | | 10.3 | 4.6 | 4.0 |
| 020-040 | 6.7 | 1.4 | | | | | | | | | | 8.2 | 3.1 | 3.0 |
| 050-070 | 4.6 | .8 | | | | | | | | | | 5.4 | 2.9 | 3.0 |
| (E) 080-100 | 4.8 | .2 | | | | | | | | | | 5.1 | 2.8 | 3.0 |
| 110-130 | 6.5 | 2.5 | .2 | | | | | | | | | 9.2 | 3.9 | 4.0 |
| 140-160 | 5.1 | 4.4 | .8 | .2 | | | | | | | | 10.5 | 5.3 | 5.0 |
| (S) 170-190 | 2.4 | 2.5 | 1.1 | .1 | | | | | | | | 6.0 | 6.1 | 5.0 |
| 200-220 | 1.4 | 1.3 | .2 | | | | | | | | | 3.0 | 5.0 | 5.0 |
| 230-250 | 1.5 | .9 | .6 | | | | | | | | | 3.1 | 5.6 | 4.5 |
| (W) 260-280 | 1.3 | 1.2 | .2 | | | | | | | | | 2.7 | 5.2 | 5.0 |
| 290-310 | 2.0 | 1.2 | .2 | | | | | | | | | 3.4 | 4.6 | 4.0 |
| 320-340 | 4.7 | 1.5 | .5 | | | | | | | | | 6.7 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 26.4 | //////////////////////////////// | |
| TOTALS | 46.4 | 22.3 | 4.3 | .3 | | | | | | | | 100.0 | 3.2 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 8.2 | 4.0 | .8 | | | | | | | | | 13.0 | 4.3 | 4.0 |
| 020-040 | 9.0 | 2.2 | .1 | | | | | | | | | 11.3 | 3.4 | 3.0 |
| 050-070 | 6.9 | 1.4 | | | | | | | | | | 8.3 | 3.3 | 3.0 |
| (E) 080-100 | 4.5 | .4 | | | | | | | | | | 4.8 | 2.8 | 3.0 |
| 110-130 | 4.4 | 2.6 | | .1 | | | | | | | | 7.1 | 4.1 | 4.0 |
| 140-160 | 5.6 | 4.6 | .6 | .1 | | | | | | | | 10.9 | 5.2 | 4.0 |
| (S) 170-190 | 2.6 | 2.2 | .5 | .1 | .1 | | | | | | | 5.6 | 5.6 | 5.0 |
| 200-220 | .7 | .9 | .2 | .2 | .1 | | | | | | | 2.2 | 7.5 | 6.0 |
| 230-250 | 1.1 | .9 | .2 | | | | | | | | | 2.2 | 5.1 | 5.0 |
| (W) 260-280 | .8 | .8 | .2 | | | | | | | | | 1.9 | 4.9 | 5.0 |
| 290-310 | 1.5 | .6 | | | | | | | | | | 2.1 | 3.9 | 3.5 |
| 320-340 | 3.2 | .8 | .6 | .1 | | | | | | | | 4.7 | 4.9 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 25.8 | //////// | |
| TOTALS | 48.5 | 21.4 | 3.2 | .6 | .2 | | | | | | | 100.0 | 3.2 | 4.0 |
| TOTAL NUMBER OF OBSERVATIONS 846 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| N) 350-010 | 8.6 | 4.5 | .6 | | | | | | | | | 13.7 | 4.5 | 4.0 |
| 020-040 | 5.3 | 1.5 | .1 | | | | | | | | | 7.0 | 3.5 | 3.0 |
| 050-070 | 5.6 | .5 | | | | | | | | | | 6.0 | 2.9 | 3.0 |
| E) 080-100 | 4.8 | .1 | | | | | | | | | | 5.0 | 2.7 | 3.0 |
| 110-130 | 5.6 | 1.4 | .6 | | | | | | | | | 7.6 | 4.0 | 3.0 |
| 140-160 | 6.7 | 5.9 | .9 | | | | | | | | | 13.6 | 4.8 | 5.0 |
| S) 170-190 | 2.7 | 2.1 | .4 | .1 | | | | | | | | 5.3 | 5.1 | 4.0 |
| 200-220 | 1.4 | .9 | .4 | .1 | | | | | | | | 2.8 | 5.6 | 4.5 |
| 230-250 | 1.2 | .7 | .5 | | | | | | | | | 2.4 | 5.8 | 4.5 |
| W) 260-280 | .9 | .1 | | | | | | | | | | 1.1 | 3.6 | 4.0 |
| 290-310 | 1.4 | .4 | | .2 | | | | | | | | 2.0 | 5.3 | 4.0 |
| 320-340 | 3.3 | 1.7 | .1 | | | | | | | | | 5.1 | 4.0 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 28.5 | //////// | |
| TOTALS | 47.5 | 19.8 | 3.6 | .4 | | | | | | | | 100.0 | 3.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 09-11

| | | WIND SPEED IN KNOTS | | | | | | | | | | | | | |
|------------------------|--|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION (DEGREES) | | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | | 1.7 | 4.1 | 3.2 | .7 | | | | | | | | 9.7 | 8.4 | 8.0 |
| 020-040 | | 1.4 | .4 | .2 | | | | | | | | | 2.0 | 4.1 | 3.0 |
| 050-070 | | .8 | .1 | .1 | | | | | | | | | 1.1 | 3.4 | 3.0 |
| (E) 080-100 | | .9 | .5 | | | | | | | | | | 1.4 | 4.0 | 4.0 |
| 110-130 | | 2.4 | .8 | .1 | | | | | | | | | 3.3 | 4.2 | 4.0 |
| 140-160 | | 5.3 | 6.5 | 2.6 | | | | | | | | | 14.4 | 6.1 | 5.5 |
| (S) 170-190 | | 8.5 | 5.7 | 1.8 | .2 | | | | | | | | 16.2 | 5.2 | 4.0 |
| 200-220 | | 6.0 | 2.1 | 1.4 | .2 | | | | | | | | 9.8 | 5.2 | 4.0 |
| 230-250 | | 3.0 | 1.7 | .9 | .4 | | | | | | | | 5.9 | 5.8 | 4.5 |
| (W) 260-280 | | 2.4 | 1.5 | .6 | .2 | .4 | .1 | | | | | | 5.2 | 7.2 | 5.0 |
| 290-310 | | 2.5 | 2.0 | .4 | | | | | | | | | 4.8 | 4.6 | 4.0 |
| 320-340 | | 2.6 | 4.0 | 1.9 | .6 | .1 | | | | | | | 9.2 | 7.6 | 8.0 |
| VARIABLE | | | | | | | | | | | | | | | |
| CALM | | //////////////////////////////////// | | | | | | | | | | | 16.9 | //////////////////////////////// | |
| TOTALS | | 37.5 | 29.4 | 13.2 | 2.3 | .5 | .1 | | | | | | 100.0 | 5.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| N) 350-010 | 1.4 | 3.2 | 3.3 | .5 | | | | | | | | 8.4 | 8.6 | 9.0 |
| 020-040 | .6 | .1 | .4 | | | | | | | | | 1.1 | 5.7 | 4.0 |
| 050-070 | .1 | | | | | | | | | | | .1 | 1.0 | 1.0 |
| E) 080-100 | .8 | .4 | | | | | | | | | | 1.2 | 3.2 | 3.0 |
| 110-130 | 1.9 | .7 | .4 | .2 | | | | | | | | 3.2 | 5.5 | 4.0 |
| 140-160 | 4.3 | 3.4 | .8 | .2 | | | | | | | | 8.7 | 5.4 | 5.0 |
| S) 170-190 | 6.5 | 7.0 | 2.4 | .5 | .1 | | | | | | | 16.4 | 6.3 | 6.0 |
| 200-220 | 5.6 | 4.1 | 2.0 | .4 | | | | | | | | 12.1 | 6.0 | 5.0 |
| 230-250 | 4.4 | 2.5 | 2.5 | .8 | .2 | .1 | | | | | | 10.5 | 7.3 | 5.0 |
| W) 260-280 | 3.4 | 3.8 | 1.1 | .6 | .2 | | | | | | | 9.1 | 6.8 | 6.0 |
| 290-310 | 3.7 | 4.7 | .7 | .2 | .1 | | | | | | | 9.5 | 5.6 | 5.0 |
| 320-340 | 3.2 | 5.9 | 2.6 | | | | | | | | | 11.7 | 6.8 | 7.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.0 | //////// | |
| TOTALS | 35.9 | 35.8 | 16.2 | 3.4 | .6 | .1 | | | | | | 100.0 | 6.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.8 | 3.0 | 1.4 | .1 | | | | | | | | 7.3 | 6.0 | 5.5 |
| 020-040 | .9 | 1.1 | .6 | | | | | | | | | 2.6 | 6.4 | 6.0 |
| 050-070 | .8 | .6 | | | | | | | | | | 1.4 | 4.1 | 4.0 |
| (E) 080-100 | 1.5 | .7 | | | | | | | | | | 2.2 | 3.5 | 3.0 |
| 110-130 | 2.0 | 1.4 | .4 | | | | | | | | | 3.8 | 4.9 | 4.0 |
| 140-160 | 4.3 | 3.4 | 1.2 | .1 | .1 | | | | | | | 9.1 | 5.5 | 5.0 |
| (S) 170-190 | 3.3 | 5.2 | 2.1 | .7 | | | | | | | | 11.3 | 7.0 | 6.0 |
| 200-220 | 3.9 | 4.5 | 1.7 | .4 | .1 | | | | | | | 10.5 | 6.6 | 6.0 |
| 230-250 | 3.1 | 2.6 | 2.5 | .7 | .4 | .4 | | | | | | 9.6 | 8.7 | 8.0 |
| (W) 260-280 | 5.0 | 4.1 | 1.4 | .8 | .1 | | .2 | | | | | 11.7 | 6.6 | 5.0 |
| 290-310 | 3.9 | 4.5 | .9 | .1 | | | | | | | | 9.5 | 5.5 | 5.0 |
| 320-340 | 4.0 | 4.5 | 1.5 | .5 | .1 | | | | | | | 10.6 | 6.7 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.3 | //////////////////////////////// | |
| TOTALS | 35.5 | 35.6 | 13.7 | 3.4 | .8 | .4 | .2 | | | | | 100.0 | 5.7 | 5.0 |
| TOTAL NUMBER OF OBSERVATIONS 846 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.0 | 3.1 | .8 | .1 | | | | | | | | 8.0 | 5.4 | 4.5 |
| 020-040 | 3.1 | 1.9 | .2 | | | | | | | | | 5.2 | 4.5 | 4.0 |
| 050-070 | 5.4 | .8 | .1 | | | | | | | | | 6.4 | 3.5 | 3.0 |
| (E) 080-100 | 5.0 | 1.2 | | | | | | | | | | 6.1 | 3.7 | 4.0 |
| 110-130 | 4.4 | 2.4 | .4 | | | | | | | | | 7.1 | 4.2 | 4.0 |
| 140-160 | 5.9 | 4.4 | 1.3 | | | | | | | | | 11.6 | 5.2 | 4.0 |
| (S) 170-190 | 4.3 | 3.0 | .1 | .1 | | | | | | | | 7.4 | 4.6 | 4.0 |
| 200-220 | 3.1 | 3.1 | .8 | .5 | | | | | | | | 7.4 | 6.1 | 5.0 |
| 230-250 | 2.2 | 1.9 | 2.0 | .2 | .1 | .1 | | | | | | 6.6 | 7.7 | 6.5 |
| (W) 260-280 | 2.7 | 2.1 | .7 | .2 | .1 | | | | | | | 5.9 | 6.1 | 5.0 |
| 290-310 | 2.7 | .5 | .4 | | | | | | | | | 3.5 | 3.7 | 3.0 |
| 320-340 | 3.3 | .9 | .4 | .1 | | | | | | | | 4.7 | 4.5 | 3.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 19.9 | //////// | |
| TOTALS | 46.1 | 25.3 | 7.2 | 1.2 | .2 | .1 | | | | | | 100.0 | 4.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.0 | 3.8 | .8 | | | | | | | | | 8.6 | 5.3 | 5.0 |
| 020-040 | 5.3 | 2.7 | | | | | | | | | | 8.0 | 4.0 | 4.0 |
| 050-070 | 8.0 | .8 | | | | | | | | | | 8.9 | 3.0 | 3.0 |
| (E) 080-100 | 5.7 | .2 | | | | | | | | | | 5.9 | 2.9 | 3.0 |
| 110-130 | 5.6 | 2.7 | .1 | | | | | | | | | 8.4 | 4.0 | 4.0 |
| 140-160 | 6.3 | 5.2 | .6 | .1 | .1 | | | | | | | 12.3 | 5.1 | 4.0 |
| (S) 170-190 | 4.1 | 3.0 | .4 | .1 | .1 | | | | | | | 7.7 | 4.8 | 4.0 |
| 200-220 | 3.5 | 1.7 | .6 | .1 | | | | | | | | 5.9 | 4.7 | 4.0 |
| 230-250 | 1.3 | 2.0 | .2 | .1 | .1 | | | | | | | 3.8 | 6.2 | 5.5 |
| (W) 260-280 | 1.1 | .9 | .6 | | | | | | | | | 2.6 | 5.5 | 5.0 |
| 290-310 | 1.4 | 1.1 | .2 | .1 | | | | | | | | 2.8 | 5.4 | 4.5 |
| 320-340 | 2.6 | 1.3 | .1 | | | | | | | | | 4.0 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 21.0 | //////// | |
| TOTALS | 48.9 | 25.4 | 3.6 | .5 | .3 | | | | | | | 100.0 | 3.5 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | TOTAL | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | |
| (N) 350-010 | 4.5 | 3.8 | 1.4 | .2 | | | | | | | 9.9 | 5.7 | 5.0 |
| 020-040 | 4.0 | 1.4 | .2 | | | | | | | | 5.7 | 3.9 | 4.0 |
| 050-070 | 4.0 | .6 | .0 | | | | | | | | 4.7 | 3.2 | 3.0 |
| (E) 080-100 | 3.5 | .5 | | | | | | | | | 4.0 | 3.1 | 3.0 |
| 110-130 | 4.1 | 1.8 | .3 | .0 | | | | | | | 6.2 | 4.2 | 4.0 |
| 140-160 | 5.4 | 4.7 | 1.1 | .1 | .0 | | | | | | 11.4 | 5.3 | 5.0 |
| (S) 170-190 | 4.3 | 3.8 | 1.1 | .3 | .0 | | | | | | 9.5 | 5.7 | 5.0 |
| 200-220 | 3.2 | 2.3 | .9 | .2 | .0 | | | | | | 6.7 | 5.8 | 5.0 |
| 230-250 | 2.2 | 1.7 | 1.2 | .3 | .1 | .1 | | | | | 5.5 | 7.1 | 6.0 |
| (W) 260-280 | 2.2 | 1.8 | .6 | .2 | .1 | .0 | .0 | | | | 5.0 | 6.3 | 5.0 |
| 290-310 | 2.4 | 1.9 | .4 | .1 | .0 | | | | | | 4.7 | 5.0 | 4.0 |
| 320-340 | 3.4 | 2.6 | 1.0 | .2 | .0 | | | | | | 7.1 | 5.8 | 5.0 |
| VARIABLE | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | 19.6 | //// | //// |
| TOTALS | 43.2 | 26.9 | 8.2 | 1.6 | .2 | .1 | | | | | 100.0 | 4.2 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.1 | 4.0 | 1.0 | 1.0 | | | | | | | | 12.1 | 6.1 | 5.0 |
| 020-040 | 1.0 | | | | | | | | | | | 1.0 | 2.0 | 2.0 |
| 050-070 | | | | | | | | | | | | | | |
| (E) 080-100 | 1.0 | | | | | | | | | | | 1.0 | 2.0 | 2.0 |
| 110-130 | 1.0 | | | | | | | | | | | 1.0 | 3.0 | 3.0 |
| 140-160 | 4.0 | 1.0 | | | | | | | | | | 5.1 | 4.0 | 4.0 |
| (S) 170-190 | 4.0 | 4.0 | 1.0 | | | | | | | | | 9.1 | 5.0 | 5.0 |
| 200-220 | 4.0 | 4.0 | | | | | | | | | | 8.1 | 4.6 | 4.0 |
| 230-250 | 4.0 | 4.0 | 1.0 | 1.0 | 1.0 | 3.0 | | | | | | 14.1 | 11.8 | 5.5 |
| (W) 260-280 | 1.0 | 1.0 | 2.0 | 3.0 | 1.0 | | 2.0 | | | | | 10.1 | 16.1 | 16.0 |
| 290-310 | 4.0 | 7.1 | 1.0 | | | | | | | | | 12.1 | 5.7 | 5.5 |
| 320-340 | 8.1 | 1.0 | 1.0 | | | | | | | | | 10.1 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 16.2 | //////////////////////////////// | |
| TOTALS | 38.2 | 26.1 | 7.0 | 5.0 | 2.0 | 3.0 | 2.0 | | | | | 100.0 | 6.3 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 99

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 8.1 | 2.9 | .3 | .3 | | | | | | | | 11.6 | 4.3 | 4.0 |
| 020-040 | 6.1 | 1.6 | | | | | | | | | | 7.7 | 3.2 | 3.0 |
| 050-070 | 5.5 | .1 | | | | | | | | | | 5.6 | 2.7 | 3.0 |
| (E) 080-100 | 5.2 | .6 | | .1 | | | | | | | | 5.9 | 3.3 | 3.0 |
| 110-130 | 5.8 | 1.6 | .2 | | | | | | | | | 7.6 | 3.6 | 3.0 |
| 140-160 | 8.3 | 4.1 | .8 | .1 | | | | | | | | 13.2 | 4.5 | 4.0 |
| (S) 170-190 | 4.7 | 4.0 | .8 | | | | | | | | | 9.5 | 5.1 | 4.5 |
| 200-220 | 2.5 | 1.8 | .2 | | .2 | | | | | | | 4.7 | 5.4 | 4.0 |
| 230-250 | 1.6 | 2.0 | .8 | .1 | .1 | | | | | | | 4.6 | 6.7 | 7.0 |
| (W) 260-280 | 1.4 | .9 | .2 | .1 | | | | | | | | 2.6 | 5.4 | 4.0 |
| 290-310 | 1.7 | .6 | .1 | | | | | | | | | 2.5 | 4.3 | 4.0 |
| 320-340 | 2.8 | 1.5 | .2 | | | | | | | | | 4.5 | 4.4 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 19.9 | //////// | |
| TOTALS | 53.7 | 21.7 | 3.6 | .7 | .3 | | | | | | | 100.0 | 3.5 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 03-05

| WIND SPEED IN KNOTS | | | | | | | | | | | | | | |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION (DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | 8.6 | 3.3 | .2 | | .1 | | | | | | | 12.3 | 3.8 | 3.0 |
| 020-040 | 11.0 | 1.5 | .3 | | | | | | | | | 12.8 | 3.1 | 3.0 |
| 050-070 | 7.2 | 1.2 | .1 | | | | | | | | | 8.5 | 3.1 | 3.0 |
| (E) 080-100 | 3.9 | .6 | | | | | | | | | | 4.5 | 2.9 | 3.0 |
| 110-130 | 5.3 | 1.7 | | | | | | | | | | 7.0 | 3.4 | 3.0 |
| 140-160 | 7.5 | 4.5 | .4 | | | | | | | | | 12.5 | 4.4 | 4.0 |
| (S) 170-190 | 3.5 | 2.6 | .5 | | | | | | | | | 6.7 | 4.8 | 4.0 |
| 200-220 | 1.8 | 1.7 | .8 | .2 | | | | | | | | 4.5 | 6.3 | 5.5 |
| 230-250 | 1.0 | 1.0 | 1.0 | .1 | .1 | | | | | | | 3.1 | 7.9 | 7.0 |
| (W) 260-280 | 1.0 | .4 | .2 | .1 | | | | | | | | 1.7 | 5.4 | 4.0 |
| 290-310 | 1.9 | .5 | .2 | .1 | | | | | | | | 2.8 | 4.5 | 3.5 |
| 320-340 | 3.4 | 1.6 | .3 | | | .1 | | | | | | 5.5 | 4.7 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 18.2 | //////////////////////////////// | |
| TOTALS | 56.1 | 20.6 | 4.0 | .5 | .2 | .1 | | | | | | 100.0 | 3.4 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 7.0 | 2.6 | .8 | .1 | | | | | | | | 10.4 | 4.3 | 4.0 |
| 020-040 | 6.8 | .9 | | | | | | | | | | 7.6 | 2.6 | 2.0 |
| 050-070 | 4.5 | .3 | | | | | | | | | | 4.8 | 2.6 | 2.0 |
| (E) 080-100 | 3.0 | .2 | | | | | | | | | | 3.2 | 2.9 | 3.0 |
| 110-130 | 5.8 | 1.2 | .2 | | | | | | | | | 7.2 | 3.6 | 3.0 |
| 140-160 | 7.7 | 5.6 | 1.1 | .1 | | | | | | | | 14.5 | 5.1 | 4.0 |
| (S) 170-190 | 5.2 | 2.7 | .6 | | | | | | | | | 8.5 | 4.4 | 4.0 |
| 200-220 | 1.4 | 2.2 | 1.1 | .3 | | | | | | | | 4.9 | 7.2 | 7.0 |
| 230-250 | 2.0 | 1.0 | 1.2 | .2 | | | | | | | | 4.4 | 6.5 | 6.0 |
| (W) 260-280 | 1.1 | .3 | .5 | .1 | | | | | | | | 2.0 | 6.0 | 3.0 |
| 290-310 | 1.9 | .5 | .2 | | | | | | | | | 2.7 | 4.0 | 3.0 |
| 320-340 | 4.3 | 1.4 | .2 | | | | | | | | | 5.9 | 3.5 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 23.7 | //////////////////////////////// | |
| TOTALS | 50.7 | 18.9 | 5.9 | .8 | | | | | | | | 100.0 | 3.3 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.3 | 2.7 | 2.0 | .3 | | | | | | | | 7.3 | 7.3 | 7.0 |
| 020-040 | .6 | .5 | | | | | | | | | | 1.2 | 4.6 | 4.0 |
| 050-070 | .1 | | | | | | | | | | | .1 | 2.0 | 2.0 |
| (E) 080-100 | 1.1 | .2 | | | | | | | | | | 1.3 | 3.5 | 3.0 |
| 110-130 | 1.9 | 1.3 | .2 | | | | | | | | | 3.4 | 4.5 | 4.0 |
| 140-160 | 5.4 | 3.8 | 1.6 | | | | | | | | | 10.8 | 5.2 | 4.5 |
| (S) 170-190 | 7.1 | 8.3 | 2.7 | .2 | | | | | | | | 18.3 | 6.2 | 6.0 |
| 200-220 | 5.1 | 3.9 | 2.2 | .2 | .3 | | | | | | | 11.6 | 6.3 | 5.0 |
| 230-250 | 3.5 | 2.8 | 2.6 | 1.6 | .3 | .1 | | | | | | 11.0 | 8.7 | 8.0 |
| (W) 260-280 | 2.4 | 2.6 | 1.2 | .5 | | | | | | | | 6.7 | 7.0 | 6.0 |
| 290-310 | 1.8 | 3.3 | 1.0 | | .2 | | | | | | | 6.3 | 6.4 | 6.0 |
| 320-340 | 1.7 | 3.4 | 2.5 | .1 | | | | | | | | 7.7 | 7.2 | 7.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 14.3 | //////// | |
| TOTALS | 33.0 | 32.8 | 16.0 | 2.9 | .8 | .1 | | | | | | 100.0 | 5.6 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| 1) 350-010 | 1.4 | 1.0 | .5 | | | | | | | | | 2.9 | 5.9 | 6.0 |
| 020-040 | .1 | .1 | | | | | | | | | | .2 | 5.0 | 5.0 |
| 050-070 | .3 | | .1 | | | | | | | | | .4 | 5.0 | 3.5 |
| 080-100 | .6 | .4 | .1 | | | | | | | | | 1.2 | 4.5 | 4.0 |
| 110-130 | 1.9 | .5 | .2 | | | | | | | | | 2.7 | 3.8 | 3.0 |
| 140-160 | 3.4 | 2.8 | 1.5 | .4 | .1 | | | | | | | 8.3 | 6.4 | 6.0 |
| 170-190 | 4.5 | 6.0 | 2.8 | .4 | .1 | | | | | | | 13.9 | 6.9 | 6.0 |
| 200-220 | 5.3 | 4.4 | 3.2 | 1.1 | 1.0 | .2 | | | | | | 15.2 | 8.3 | 7.0 |
| 230-250 | 4.0 | 5.1 | 4.8 | 1.8 | 1.1 | .4 | .1 | | | | | 17.3 | 9.8 | 9.0 |
| 260-280 | 4.6 | 4.9 | 2.0 | 1.0 | .9 | | | .1 | | | | 13.5 | 7.9 | 6.0 |
| 290-310 | 3.9 | 4.6 | 1.9 | .4 | | | | | | | | 10.9 | 6.6 | 6.0 |
| 320-340 | 1.9 | 3.3 | 1.9 | .2 | | | | | | | | 7.4 | 7.3 | 7.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 6.1 | //////// | |
| TOTALS | 31.9 | 33.1 | 19.0 | 5.3 | 3.2 | .6 | .1 | .1 | | | | 100.0 | 7.1 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.2 | .8 | 1.1 | .3 | | | | | | | | 3.3 | 8.2 | 8.0 |
| 020-040 | .5 | .4 | .2 | | | | | | | | | 1.2 | 5.5 | 5.0 |
| 050-070 | .4 | .1 | .1 | .1 | | | | | | | | .8 | 6.7 | 4.0 |
| (E) 080-100 | 1.7 | .3 | | | | | | | | | | 2.0 | 3.1 | 3.0 |
| 110-130 | 2.6 | 1.4 | .2 | .1 | | | | | | | | 4.3 | 4.5 | 4.0 |
| 140-160 | 3.4 | 2.5 | 1.0 | .2 | | | | | | | | 7.1 | 5.5 | 5.0 |
| (S) 170-190 | 3.4 | 4.0 | 3.2 | .6 | | | | | | | | 11.3 | 7.4 | 6.0 |
| 200-220 | 2.0 | 5.8 | 4.1 | 2.3 | .9 | .1 | .1 | | | | | 15.3 | 10.1 | 9.0 |
| 230-250 | 3.7 | 5.4 | 6.1 | 3.9 | 1.1 | .3 | .1 | | | | | 20.5 | 10.7 | 10.0 |
| (W) 260-280 | 2.6 | 3.9 | 1.9 | 1.4 | .8 | .1 | .1 | | | | | 10.8 | 9.2 | 8.0 |
| 290-310 | 3.9 | 3.5 | 1.5 | .1 | .1 | | .1 | | | | | 9.2 | 6.2 | 5.0 |
| 320-340 | 2.6 | 2.5 | 1.5 | .4 | .1 | | | | | | | 7.1 | 7.3 | 6.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.1 | //////////////////////////////// | |
| TOTALS | 28.0 | 30.6 | 20.9 | 9.4 | 3.0 | .5 | .4 | | | | | 100.0 | 7.7 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 930

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| 1) 350-010 | 3.0 | 2.3 | 1.1 | .1 | | | | | | | | 6.5 | 5.8 | 5.0 |
| 020-040 | 1.9 | .6 | .2 | | | | | | | | | 2.8 | 4.3 | 4.0 |
| 050-070 | 2.2 | .8 | | | | | | | | | | 2.9 | 3.7 | 4.0 |
| 2) 080-100 | 4.8 | 1.0 | | | | | | | | | | 5.8 | 3.1 | 3.0 |
| 110-130 | 6.5 | 1.3 | .3 | | | | | | | | | 8.1 | 3.6 | 3.0 |
| 140-160 | 7.1 | 3.9 | .9 | .1 | | | | | | | | 11.9 | 4.8 | 4.0 |
| 3) 170-190 | 3.8 | 3.7 | 1.2 | | | | | | | | | 8.6 | 5.5 | 5.0 |
| 200-220 | 3.5 | 3.1 | 1.5 | .3 | | | | | | | | 8.5 | 6.1 | 5.0 |
| 230-250 | 4.0 | 4.7 | 5.2 | 1.7 | .6 | .2 | .1 | | | | | 16.6 | 9.4 | 9.0 |
| 4) 260-280 | 2.8 | 1.3 | 2.5 | .5 | | | | | | | | 7.1 | 7.7 | 8.0 |
| 290-310 | 1.7 | 1.1 | .2 | | .1 | | | | | | | 3.1 | 5.3 | 4.0 |
| 320-340 | 1.1 | 1.0 | .8 | .3 | .1 | | | | | | | 3.2 | 7.8 | 7.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 14.9 | //////// | |
| TOTALS | 42.4 | 24.8 | 13.9 | 3.0 | .8 | .2 | .1 | | | | | 100.0 | 5.2 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 21-23

| WIND SPEED IN KNOTS | | | | | | | | | | | | | | |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION (DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | 2.8 | 1.9 | .8 | | .2 | | | | | | | 5.7 | 5.8 | 5.0 |
| 020-040 | 4.7 | 1.2 | .1 | | | | | | | | | 6.0 | 3.3 | 3.0 |
| 050-070 | 5.7 | .8 | | | | | | | | | | 6.5 | 3.3 | 3.0 |
| (E) 080-100 | 4.3 | .9 | | | | | | | | | | 5.2 | 3.0 | 3.0 |
| 110-130 | 6.8 | 1.9 | .2 | | | | | | | | | 8.9 | 3.4 | 3.0 |
| 140-160 | 8.3 | 7.1 | 1.1 | .2 | | | | | | | | 16.7 | 5.1 | 5.0 |
| (S) 170-190 | 4.4 | 4.2 | .6 | .2 | | | | | | | | 9.5 | 5.2 | 5.0 |
| 200-220 | 2.9 | 1.7 | .6 | | | | | | | | | 5.3 | 5.2 | 4.0 |
| 230-250 | 1.7 | 2.6 | 1.8 | 1.3 | .1 | | | | | | | 7.5 | 8.8 | 8.0 |
| (W) 260-280 | 2.0 | 1.8 | .8 | .2 | | | | | | | | 4.8 | 6.3 | 6.0 |
| 290-310 | 1.2 | 1.1 | .2 | | | | | | | | | 2.5 | 5.4 | 5.0 |
| 320-340 | 2.6 | 1.4 | .3 | | .1 | | | | | | | 4.4 | 5.2 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 17.1 | //////////////////////////////// | |
| TOTALS | 47.4 | 26.6 | 6.5 | 1.9 | .4 | | | | | | | 100.0 | 4.2 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

TATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: ALL

| | | WIND SPEED IN KNOTS | | | | | | | | | | | | | |
|-----------|---------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------------|------|--------|
| DIRECTION | | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | MEAN | MEDIAN |
| (DEGREES) | | | | | | | | | | | | % | WIND | WIND | |
| N) | 350-010 | 4.3 | 2.2 | .8 | .1 | .0 | | | | | | | 7.5 | 5.2 | 4.0 |
| | 020-040 | 4.0 | .9 | .1 | | | | | | | | | 4.9 | 3.3 | 3.0 |
| | 050-070 | 3.2 | .4 | .0 | .0 | | | | | | | | 3.7 | 3.2 | 3.0 |
| E) | 080-100 | 3.1 | .5 | .0 | .0 | | | | | | | | 3.6 | 3.2 | 3.0 |
| | 110-130 | 4.6 | 1.4 | .2 | .0 | | | | | | | | 6.2 | 3.7 | 3.0 |
| | 140-160 | 6.4 | 4.3 | 1.0 | .1 | .0 | | | | | | | 11.9 | 5.0 | 4.0 |
| S) | 170-190 | 4.6 | 4.4 | 1.6 | .2 | .0 | | | | | | | 10.8 | 5.9 | 5.0 |
| | 200-220 | 3.1 | 3.1 | 1.7 | .6 | .3 | .0 | .0 | | | | | 8.7 | 7.5 | 6.0 |
| | 230-250 | 2.7 | 3.1 | 2.9 | 1.3 | .4 | .1 | .0 | | | | | 10.6 | 9.3 | 9.0 |
| W) | 260-280 | 2.2 | 2.0 | 1.2 | .5 | .2 | .0 | .0 | .0 | | | | 6.2 | 7.6 | 6.0 |
| | 290-310 | 2.3 | 1.9 | .7 | .1 | .1 | | .0 | | | | | 5.0 | 5.8 | 5.0 |
| | 320-340 | 2.6 | 2.0 | 1.0 | .1 | .0 | .0 | | | | | | 5.7 | 6.0 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | | |
| CALM | | //////////////////////////////////// | | | | | | | | | | 15.2 | //////////////////////////////// | | |
| TOTALS | | 43.1 | 26.2 | 11.2 | 3.0 | 1.0 | .1 | | | | | | 100.0 | 5.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.5 | 1.5 | | | | | | | | | | 3.1 | 4.5 | 4.5 |
| 020-040 | 3.1 | | | | | | | | | | | 3.1 | 2.5 | 2.5 |
| 050-070 | | | | | | | | | | | | | | |
| (E) 080-100 | 1.5 | | | | | | | | | | | 1.5 | 3.0 | 3.0 |
| 110-130 | | | | | | | | | | | | | | |
| 140-160 | | | | | | | | | | | | | | |
| (S) 170-190 | | | | | | | | | | | | | | |
| 200-220 | 4.6 | | | | 3.1 | | | | | | | 7.7 | 10.6 | 4.0 |
| 230-250 | | 3.1 | 9.2 | 6.2 | 12.3 | 9.2 | 3.1 | | | | | 43.1 | 19.7 | 20.0 |
| (W) 260-280 | | | | | 6.2 | | 1.5 | 1.5 | | | | 9.2 | 24.5 | 20.5 |
| 290-310 | 4.6 | 3.1 | | | 1.5 | | | | | | | 9.2 | 6.2 | 4.0 |
| 320-340 | 10.8 | | | | | 1.5 | | | | | | 12.3 | 5.5 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.8 | //////////////////////////////// | |
| TOTALS | 26.1 | 7.7 | 9.2 | 6.2 | 23.1 | 10.7 | 4.6 | 1.5 | | | | 100.0 | 13.1 | 17.0 |

TOTAL NUMBER OF OBSERVATIONS 65

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: APR HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.1 | 1.8 | .8 | .1 | .1 | | | | | | | 8.9 | 4.7 | 4.0 |
| 020-040 | 5.4 | 1.2 | .2 | | | | | | | | | 6.9 | 3.7 | 3.0 |
| 050-070 | 5.1 | .1 | | | | | | | | | | 5.2 | 2.7 | 2.0 |
| (E) 080-100 | 4.3 | .2 | | | | | | | | | | 4.6 | 2.5 | 2.0 |
| 110-130 | 5.2 | 1.3 | .2 | | | | | | | | | 6.8 | 3.6 | 3.0 |
| 140-160 | 8.9 | 4.9 | .2 | | | | | | | | | 14.0 | 4.1 | 4.0 |
| (S) 170-190 | 5.9 | 4.6 | .7 | | | | | | | | | 11.1 | 4.9 | 4.0 |
| 200-220 | 1.7 | 3.3 | .8 | .3 | .2 | | | | | | | 6.3 | 7.4 | 6.0 |
| 230-250 | 3.1 | 1.4 | 1.1 | .3 | .1 | | | | | | | 6.1 | 6.1 | 4.0 |
| (W) 260-280 | 1.9 | .7 | .1 | | | | | | | | | 2.7 | 3.6 | 3.0 |
| 290-310 | 1.8 | 1.9 | .3 | | .1 | | | | | | | 4.1 | 5.4 | 5.0 |
| 320-340 | 1.8 | 1.3 | .1 | | | | | | | | | 3.2 | 4.9 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 20.1 | //////////////////////////////// | |
| TOTALS | 51.2 | 22.7 | 4.5 | .7 | .5 | | | | | | | 100.0 | 3.6 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 03-05

| WIND SPEED IN KNOTS | | | | | | | | | | | | | | |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION (DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | 6.9 | 3.1 | .2 | | | | | | | | | 10.2 | 3.9 | 4.0 |
| 020-040 | 11.2 | 1.0 | .1 | | | | | | | | | 12.3 | 3.2 | 3.0 |
| 050-070 | 6.3 | .9 | | | | | | | | | | 7.2 | 3.0 | 3.0 |
| (E) 080-100 | 4.2 | .3 | | | | | | | | | | 4.6 | 2.6 | 2.0 |
| 110-130 | 5.1 | 1.2 | | | | | | | | | | 6.3 | 3.2 | 3.0 |
| 140-160 | 9.6 | 3.3 | .1 | | | | | | | | | 13.0 | 3.6 | 3.0 |
| (S) 170-190 | 5.8 | 1.7 | .3 | | | | | | | | | 7.8 | 3.8 | 3.0 |
| 200-220 | 2.2 | 2.6 | .1 | .1 | | | | | | | | 5.0 | 5.1 | 5.0 |
| 230-250 | 1.6 | 1.7 | .8 | .1 | | .1 | | | | | | 4.2 | 7.1 | 7.5 |
| (W) 260-280 | 1.1 | .2 | .3 | .1 | .1 | | | | | | | 1.9 | 6.6 | 4.0 |
| 290-310 | 1.3 | .6 | | | .1 | | | | | | | 2.0 | 4.3 | 3.5 |
| 320-340 | 2.9 | 1.9 | .1 | .1 | .1 | | | | | | | 5.1 | 4.8 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 20.3 | //////////////////////////////// | |
| TOTALS | 58.2 | 18.5 | 2.0 | .4 | .3 | .1 | | | | | | 100.0 | 3.1 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.9 | 3.0 | 2.0 | | .1 | | | | | | | 10.0 | 5.9 | 5.0 |
| 020-040 | 5.7 | 1.2 | .1 | | | | | | | | | 7.0 | 3.4 | 3.0 |
| 050-070 | 3.2 | .4 | | | | | | | | | | 3.7 | 2.8 | 2.0 |
| (E) 080-100 | 2.9 | .2 | | | | | | | | | | 3.1 | 2.9 | 3.0 |
| 110-130 | 5.1 | 1.0 | .3 | | | | | | | | | 6.4 | 3.7 | 3.0 |
| 140-160 | 6.8 | 6.0 | .8 | .2 | | | | | | | | 13.8 | 5.0 | 5.0 |
| (S) 170-190 | 6.4 | 4.1 | .9 | | | | | | | | | 11.4 | 4.7 | 4.0 |
| 200-220 | 2.7 | .8 | .7 | .3 | | | | | | | | 4.4 | 5.8 | 4.0 |
| 230-250 | 2.1 | 2.0 | .4 | | .3 | | | | | | | 4.9 | 6.3 | 5.5 |
| (W) 260-280 | 1.7 | 1.8 | .1 | .1 | .1 | | | | | | | 3.8 | 5.7 | 5.0 |
| 290-310 | 1.7 | .8 | .1 | | | | | | | | | 2.6 | 4.0 | 3.0 |
| 320-340 | 3.6 | 2.0 | .4 | .1 | | | | | | | | 6.1 | 4.8 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 22.8 | //////// | |
| TOTALS | 46.8 | 23.3 | 5.8 | .7 | .5 | | | | | | | 100.0 | 3.7 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.1 | 3.0 | 1.6 | .1 | | | | | | | | 6.8 | 7.1 | 7.0 |
| 020-040 | .8 | .2 | | | | | | | | | | 1.0 | 3.2 | 3.0 |
| 050-070 | .6 | | .1 | | | | | | | | | .7 | 4.3 | 3.0 |
| (E) 080-100 | .8 | .2 | | | | | | | | | | 1.0 | 3.3 | 3.0 |
| 110-130 | 2.4 | .2 | | | | | | | | | | 2.7 | 3.0 | 3.0 |
| 140-160 | 3.6 | 3.1 | .8 | .2 | | | | | | | | 7.7 | 5.6 | 5.0 |
| (S) 170-190 | 8.1 | 7.2 | 2.4 | .2 | .2 | | | | | | | 18.2 | 5.7 | 5.0 |
| 200-220 | 5.9 | 5.2 | 3.4 | .7 | .3 | .2 | | | | | | 15.8 | 7.2 | 6.0 |
| 230-250 | 4.3 | 4.7 | 2.7 | .6 | .2 | .1 | .1 | | | | | 12.7 | 7.2 | 6.0 |
| (W) 260-280 | 2.0 | 3.9 | 1.7 | .1 | .2 | .1 | | | | | | 8.0 | 7.3 | 6.0 |
| 290-310 | 3.9 | 4.4 | 1.1 | .1 | | | | | | | | 9.6 | 5.9 | 6.0 |
| 320-340 | 2.6 | 3.6 | 2.0 | | | | | | | | | 8.1 | 6.5 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.9 | //////// | |
| TOTALS | 37.1 | 35.7 | 15.8 | 2.0 | .9 | .4 | .1 | | | | | 100.0 | 5.9 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | .8 | 1.4 | 1.2 | | .1 | | | | | | | 3.6 | 7.6 | 7.0 |
| 020-040 | .7 | .2 | .3 | .1 | | | | | | | | 1.3 | 6.0 | 4.5 |
| 050-070 | .6 | .3 | | | | | | | | | | .9 | 3.6 | 3.5 |
| (E) 080-100 | .8 | .1 | | | | | | | | | | .9 | 3.4 | 3.5 |
| 110-130 | .9 | .2 | .1 | | | | | | | | | 1.2 | 4.4 | 4.0 |
| 140-160 | 1.6 | 2.1 | 1.3 | .3 | | | | | | | | 5.3 | 7.2 | 6.5 |
| (S) 170-190 | 3.9 | 4.8 | 2.2 | 1.1 | .2 | | | | | | | 12.2 | 7.7 | 7.0 |
| 200-220 | 4.7 | 6.4 | 4.6 | 1.9 | .7 | | | .1 | | | | 18.3 | 8.6 | 8.0 |
| 230-250 | 3.9 | 6.4 | 5.8 | 1.2 | 1.7 | .1 | .1 | | | | | 19.2 | 9.6 | 9.0 |
| (W) 260-280 | 5.9 | 5.7 | 2.4 | .2 | .4 | .1 | | | | | | 14.8 | 6.8 | 6.0 |
| 290-310 | 3.9 | 5.3 | 1.8 | .1 | | | | | | | | 11.1 | 6.1 | 5.5 |
| 320-340 | 2.3 | 2.9 | 1.3 | .2 | .1 | | | | | | | 6.9 | 6.8 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 4.2 | //////// | |
| TOTALS | 30.0 | 35.8 | 21.0 | 5.1 | 3.2 | .2 | .1 | .1 | | | | 100.0 | 7.4 | 7.0 |
| TOTAL NUMBER OF OBSERVATIONS 900 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.9 | .9 | .7 | | | | | | | | | 3.4 | 5.6 | 4.0 |
| 020-040 | .9 | .4 | .3 | .1 | | | | | | | | 1.8 | 6.3 | 4.5 |
| 050-070 | .4 | | | | | | | | | | | .4 | 2.5 | 2.0 |
| (E) 080-100 | .7 | .4 | .1 | | | | | | | | | 1.2 | 4.6 | 4.0 |
| 110-130 | 1.4 | .7 | .4 | | | | | | | | | 2.6 | 5.1 | 4.0 |
| 140-160 | 2.0 | 2.1 | .9 | .4 | | | | | | | | 5.4 | 6.9 | 6.0 |
| (S) 170-190 | 3.1 | 4.3 | 2.3 | 1.1 | .3 | | | | | | | 11.2 | 8.1 | 8.0 |
| 200-220 | 5.0 | 4.6 | 5.0 | 1.3 | .7 | .2 | | | | | | 16.8 | 8.7 | 8.0 |
| 230-250 | 4.2 | 6.8 | 4.9 | 4.6 | 2.1 | .8 | .3 | | | | | 23.7 | 11.3 | 10.0 |
| (W) 260-280 | 3.3 | 4.6 | 2.3 | 1.8 | .6 | .1 | | | | | | 12.7 | 8.9 | 8.0 |
| 290-310 | 5.0 | 2.8 | 1.3 | .2 | | | | | | | | 9.3 | 5.5 | 4.0 |
| 320-340 | 3.6 | 2.3 | 1.3 | | .1 | | | | | | | 7.3 | 5.9 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 4.1 | //////// | |
| TOTALS | 31.5 | 29.9 | 19.5 | 9.5 | 3.8 | 1.1 | .3 | | | | | 100.0 | 8.0 | 7.0 |
| TOTAL NUMBER OF OBSERVATIONS 900 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.1 | 1.1 | .6 | .1 | .1 | | | | | | | 5.0 | 5.2 | 4.0 |
| 020-040 | 1.7 | 1.0 | .2 | | | | | | | | | 2.9 | 4.5 | 4.0 |
| 050-070 | 1.8 | .4 | .2 | | | | | | | | | 2.4 | 4.1 | 3.0 |
| (E) 080-100 | 2.2 | .3 | .1 | | | | | | | | | 2.7 | 3.2 | 2.0 |
| 110-130 | 3.0 | 1.2 | .3 | | | | | | | | | 4.6 | 4.2 | 3.0 |
| 140-160 | 5.0 | 4.6 | .7 | | | | | | | | | 10.2 | 5.2 | 5.0 |
| (S) 170-190 | 5.1 | 4.3 | 1.8 | .2 | | | | | | | | 11.4 | 5.8 | 5.0 |
| 200-220 | 5.4 | 5.4 | 1.8 | .7 | .3 | | | | | | | 13.7 | 6.7 | 5.0 |
| 230-250 | 5.3 | 7.6 | 4.6 | 2.8 | 1.1 | .1 | | | | | | 21.4 | 9.0 | 8.0 |
| (W) 260-280 | 2.6 | 3.1 | 2.2 | .7 | .3 | | | | | | | 8.9 | 8.0 | 7.5 |
| 290-310 | 1.2 | .6 | .4 | | | | | | | | | 2.2 | 5.5 | 4.0 |
| 320-340 | 1.3 | .6 | .3 | | | .2 | | | | | | 2.4 | 6.5 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 12.1 | //////// | |
| TOTALS | 37.7 | 30.2 | 13.2 | 4.5 | 1.8 | .3 | | | | | | 100.0 | 5.8 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.2 | 2.2 | .3 | .3 | .1 | | | | | | | 7.2 | 5.4 | 4.0 |
| 020-040 | 3.7 | .8 | .1 | | | | | | | | | 4.6 | 3.7 | 4.0 |
| 050-070 | 4.1 | .9 | | | | | | | | | | 5.0 | 3.3 | 3.0 |
| (E) 080-100 | 4.2 | .3 | | | | | | | | | | 4.6 | 2.7 | 2.0 |
| 110-130 | 6.0 | 1.4 | .3 | | | | | | | | | 7.8 | 3.7 | 3.5 |
| 140-160 | 8.7 | 4.2 | .7 | | | | | | | | | 13.6 | 4.4 | 4.0 |
| (S) 170-190 | 5.8 | 4.6 | .7 | .2 | | | | | | | | 11.2 | 5.2 | 4.0 |
| 200-220 | 3.2 | 4.7 | .8 | | .3 | | | | | | | 9.0 | 6.1 | 5.0 |
| 230-250 | 4.1 | 3.8 | 2.2 | .6 | .1 | | | | | | | 10.8 | 6.5 | 6.0 |
| (W) 260-280 | 2.8 | 2.9 | .3 | | | | | | | | | 6.0 | 5.0 | 5.0 |
| 290-310 | 1.0 | 1.6 | .6 | | | | | | | | | 3.1 | 6.1 | 6.0 |
| 320-340 | 1.6 | .8 | .1 | .1 | | | | | | | | 2.6 | 5.0 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 14.7 | //////// | |
| TOTALS | 49.4 | 28.2 | 6.1 | 1.2 | .5 | | | | | | | 100.0 | 4.2 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| 1) 350-010 | 3.8 | 2.1 | .9 | .1 | .1 | | | | | | | 6.9 | 5.4 | 4.0 |
| 020-040 | 3.8 | .8 | .2 | .0 | | | | | | | | 4.7 | 3.7 | 3.0 |
| 050-070 | 2.8 | .4 | .0 | | | | | | | | | 3.2 | 3.1 | 3.0 |
| 2) 080-100 | 2.5 | .3 | .0 | | | | | | | | | 2.8 | 2.9 | 2.0 |
| 110-130 | 3.7 | .9 | .2 | | | | | | | | | 4.8 | 3.7 | 3.0 |
| 140-160 | 5.8 | 3.8 | .7 | .2 | | | | | | | | 10.4 | 4.9 | 4.0 |
| 3) 170-190 | 5.5 | 4.4 | 1.4 | .4 | .1 | | | | | | | 11.8 | 5.8 | 5.0 |
| 200-220 | 3.8 | 4.1 | 2.1 | .7 | .3 | .1 | | .0 | | | | 11.2 | 7.4 | 6.0 |
| 230-250 | 3.6 | 4.3 | 2.8 | 1.3 | .7 | .2 | .1 | | | | | 12.9 | 8.8 | 8.0 |
| 4) 260-280 | 2.7 | 2.8 | 1.2 | .4 | .2 | .0 | | | | | | 7.3 | 7.1 | 6.0 |
| 290-310 | 2.5 | 2.2 | .7 | .1 | .0 | | | | | | | 5.5 | 5.6 | 5.0 |
| 320-340 | 2.4 | 1.9 | .7 | .1 | .0 | .0 | | | | | | 5.2 | 5.8 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 13.3 | //////// | |
| TOTALS | 42.9 | 28.0 | 10.9 | 3.3 | 1.4 | .3 | .1 | | | | | 100.0 | 5.2 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.4 | 1.6 | .8 | | .8 | | | | | | | 5.6 | 8.0 | 6.0 |
| 020-040 | .8 | .8 | .8 | | | | | | | | | 2.4 | 6.3 | 7.0 |
| 050-070 | 1.6 | | | | | | | | | | | 1.6 | 2.5 | 2.5 |
| (E) 080-100 | | .8 | | | | | | | | | | .8 | 5.0 | 5.0 |
| 110-130 | .8 | 1.6 | .8 | | | | | | | | | 3.2 | 5.8 | 5.5 |
| 140-160 | 2.4 | | .8 | | | | | | | | | 3.2 | 4.5 | 2.0 |
| (S) 170-190 | 4.0 | 1.6 | | | | | | | | | | 5.6 | 4.3 | 4.0 |
| 200-220 | 6.4 | 2.4 | | | | | | .8 | | | | 9.6 | 6.3 | 4.0 |
| 230-250 | 6.4 | 3.2 | 3.2 | 6.4 | 7.2 | 4.8 | 2.4 | | | | | 33.6 | 16.1 | 18.0 |
| (W) 260-280 | 2.4 | 4.8 | 1.6 | 1.6 | 4.0 | | | | | | | 14.4 | 11.6 | 10.5 |
| 290-310 | 2.4 | 2.4 | 2.4 | .8 | 1.6 | | | | | | | 9.6 | 10.3 | 9.0 |
| 320-340 | 1.6 | | .8 | | | 1.6 | | | | | | 4.0 | 13.8 | 12.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 6.4 | //////// | |
| TOTALS | 31.2 | 19.2 | 11.2 | 8.8 | 13.6 | 6.4 | 2.4 | .8 | | | | 100.0 | 10.5 | 7.0 |

TOTAL NUMBER OF OBSERVATIONS 125

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.1 | 1.5 | | | | | | | | | | 7.6 | 3.2 | 3.0 |
| 020-040 | 4.8 | 1.1 | .2 | | | | | | | | | 6.1 | 3.6 | 3.0 |
| 050-070 | 5.8 | .8 | | | | | | | | | | 6.6 | 2.8 | 2.0 |
| (E) 080-100 | 4.5 | .2 | | | | | | | | | | 4.7 | 2.8 | 2.5 |
| 110-130 | 6.9 | 1.1 | .1 | | | | | | | | | 8.1 | 3.0 | 2.0 |
| 140-160 | 9.2 | 4.2 | .6 | | | | | | | | | 14.1 | 4.1 | 4.0 |
| (S) 170-190 | 5.4 | 3.8 | .9 | | | | | | | | | 10.0 | 4.8 | 4.0 |
| 200-220 | 3.5 | 2.4 | .5 | .1 | | | | | | | | 6.6 | 5.0 | 4.0 |
| 230-250 | 2.9 | 2.0 | .2 | | | | | | | | | 5.2 | 4.4 | 4.0 |
| (W) 260-280 | 3.5 | 1.1 | .1 | | | | | | | | | 4.7 | 4.1 | 4.0 |
| 290-310 | 2.8 | 1.7 | .1 | | | | | | | | | 4.6 | 4.4 | 4.0 |
| 320-340 | 3.5 | 1.1 | .3 | .1 | | | | | | | | 5.1 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 16.7 | //////// | |
| TOTALS | 58.9 | 21.0 | 3.0 | .2 | | | | | | | | 100.0 | 3.2 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 9.7 | 1.9 | .1 | | | | | | | | | 11.7 | 3.3 | 3.0 |
| 020-040 | 10.2 | 1.3 | .1 | | | | | | | | | 11.6 | 2.9 | 3.0 |
| 050-070 | 8.4 | .2 | .2 | | | | | | | | | 8.8 | 3.0 | 3.0 |
| (E) 080-100 | 5.5 | .4 | | | | | | | | | | 5.9 | 2.7 | 2.0 |
| 110-130 | 4.6 | 1.2 | | | | | | | | | | 5.8 | 3.1 | 2.5 |
| 140-160 | 11.5 | 3.9 | .3 | | | | | | | | | 15.7 | 3.8 | 4.0 |
| (S) 170-190 | 6.0 | 2.3 | .3 | | | | | | | | | 8.6 | 3.9 | 3.5 |
| 200-220 | 1.8 | 1.3 | .2 | | | | | | | | | 3.3 | 4.8 | 4.0 |
| 230-250 | 1.9 | .5 | | | | | | | | | | 2.5 | 3.4 | 4.0 |
| (W) 260-280 | 1.3 | .5 | .1 | | | | | | | | | 1.9 | 4.3 | 4.0 |
| 290-310 | 1.5 | .4 | | | | | | | | | | 1.9 | 3.4 | 4.0 |
| 320-340 | 3.4 | 1.0 | .1 | | | .1 | | | | | | 4.6 | 4.4 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 17.5 | //////////////////////////////// | |
| TOTALS | 65.8 | 14.9 | 1.4 | | | .1 | | | | | | 100.0 | 2.8 | 3.0 |
| TOTAL NUMBER OF OBSERVATIONS 930 | | | | | | | | | | | | | | |

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

ATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| N) 350-010 | 5.5 | 2.2 | 1.1 | .1 | | | | | | | | 8.8 | 4.8 | 4.0 |
| 020-040 | 4.4 | 1.0 | | | | | | | | | | 5.4 | 3.0 | 2.0 |
| 050-070 | 2.5 | | | | | | | | | | | 2.5 | 2.3 | 2.0 |
| E) 080-100 | 2.8 | .2 | .1 | | | | | | | | | 3.1 | 2.7 | 2.0 |
| 110-130 | 4.3 | 1.2 | .1 | | | | | | | | | 5.6 | 3.5 | 3.0 |
| 140-160 | 7.4 | 6.3 | .6 | | | | | | | | | 14.4 | 4.7 | 4.0 |
| S) 170-190 | 6.8 | 6.5 | .4 | | | | | | | | | 13.7 | 4.8 | 5.0 |
| 200-220 | 3.1 | 2.5 | .5 | | | | | | | | | 6.1 | 4.8 | 4.0 |
| 230-250 | 2.6 | 1.3 | .3 | .1 | | | | | | | | 4.3 | 4.7 | 3.5 |
| W) 260-280 | 1.7 | 1.2 | .3 | | | | | | | | | 3.2 | 4.6 | 4.0 |
| 290-310 | 4.3 | 1.0 | | | | | | | | | | 5.3 | 3.3 | 3.0 |
| 320-340 | 3.9 | 1.7 | .2 | .1 | | | | | | | | 5.9 | 4.2 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 21.7 | //////// | |
| TOTALS | 49.3 | 25.1 | 3.6 | .3 | | | | | | | | 100.0 | 3.3 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.7 | 1.9 | 1.0 | .1 | | | | | | | | 4.7 | 6.5 | 6.0 |
| 020-040 | .8 | .1 | | | | | | | | | | .9 | 2.5 | 2.0 |
| 050-070 | .9 | .3 | .2 | | | | | | | | | 1.4 | 4.4 | 4.0 |
| (E) 080-100 | .4 | | | | | | | | | | | .4 | 2.3 | 2.0 |
| 110-130 | 2.0 | .4 | | | | | | | | | | 2.5 | 3.4 | 3.0 |
| 140-160 | 4.1 | 4.5 | .6 | .1 | | | | | | | | 9.4 | 5.2 | 5.0 |
| (S) 170-190 | 7.3 | 9.1 | 2.2 | .2 | | | | | | | | 18.8 | 5.6 | 5.0 |
| 200-220 | 8.1 | 4.9 | 2.9 | .3 | | | | | | | | 16.2 | 5.8 | 5.0 |
| 230-250 | 5.8 | 4.6 | 2.5 | .5 | .1 | | | | | | | 13.5 | 6.3 | 5.0 |
| (W) 260-280 | 5.3 | 4.5 | 1.6 | | | | | | | | | 11.4 | 5.4 | 5.0 |
| 290-310 | 5.4 | 3.0 | .2 | | | | | | | | | 8.6 | 4.3 | 4.0 |
| 320-340 | 2.6 | 2.2 | .5 | .1 | .1 | | | | | | | 5.5 | 5.6 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 6.7 | //////// | |
| TOTALS | 44.4 | 35.5 | 11.7 | 1.3 | .2 | | | | | | | 100.0 | 5.1 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.5 | .6 | .5 | .1 | | | | | | | | 2.8 | 5.8 | 4.0 |
| 020-040 | .6 | .9 | .1 | | | | | | | | | 1.6 | 4.9 | 5.0 |
| 050-070 | .4 | .2 | .1 | | .1 | | | | | | | .9 | 6.9 | 5.0 |
| (E) 080-100 | 1.5 | .5 | .1 | | | | | | | | | 2.2 | 3.8 | 3.5 |
| 110-130 | 1.1 | 1.0 | .1 | | | | | | | | | 2.2 | 4.8 | 4.5 |
| 140-160 | 2.0 | 2.7 | 1.3 | .5 | | | | | | | | 6.6 | 7.0 | 6.0 |
| (S) 170-190 | 4.0 | 8.1 | 3.4 | 1.1 | | | | | | | | 16.6 | 7.4 | 7.0 |
| 200-220 | 4.2 | 7.2 | 4.7 | 1.3 | .3 | | | | | | | 17.7 | 8.1 | 8.0 |
| 230-250 | 5.3 | 6.9 | 4.3 | 1.0 | .2 | | | | | | | 17.6 | 7.5 | 6.5 |
| (W) 260-280 | 4.3 | 7.0 | 3.2 | .5 | | | | | | | | 15.1 | 6.8 | 6.0 |
| 290-310 | 2.8 | 3.7 | 1.6 | | | | | | | | | 8.1 | 6.1 | 6.0 |
| 320-340 | 3.2 | 2.0 | .6 | .1 | | | | | | | | 6.0 | 5.2 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 2.8 | //////////////////////////////// | |
| TOTALS | 30.9 | 40.8 | 20.0 | 4.6 | .6 | | | | | | | 100.0 | 6.8 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN APB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.5 | 1.7 | .9 | .3 | | | | | | | | 4.4 | 6.8 | 6.0 |
| 020-040 | .8 | .8 | .3 | | | | | | | | | 1.8 | 6.4 | 6.0 |
| 050-070 | .8 | .8 | .2 | .1 | | | | | | | | 1.8 | 5.9 | 5.0 |
| (E) 080-100 | .2 | .8 | .2 | | | .1 | | | | | | 1.3 | 8.2 | 6.0 |
| 110-130 | 1.1 | .9 | .5 | .1 | .1 | | | | | | | 2.7 | 7.1 | 7.0 |
| 140-160 | 1.7 | 3.2 | 2.0 | .6 | .1 | | | | | | | 7.7 | 8.3 | 8.0 |
| (S) 170-190 | 2.7 | 5.8 | 3.5 | .5 | | | | | | | | 12.6 | 7.8 | 8.0 |
| 200-220 | 3.4 | 6.2 | 5.5 | 1.4 | .5 | | | | | | | 17.1 | 9.0 | 9.0 |
| 230-250 | 3.5 | 5.7 | 6.5 | 2.6 | .5 | .2 | .1 | | | | | 19.1 | 9.8 | 10.0 |
| (W) 260-280 | 3.8 | 5.7 | 3.8 | .8 | .5 | | | | | | | 14.5 | 8.0 | 7.0 |
| 290-310 | 3.7 | 3.8 | .6 | .2 | .1 | | | | | | | 8.4 | 5.8 | 5.0 |
| 320-340 | 2.0 | 1.8 | .9 | .4 | | | | | | | | 5.2 | 6.8 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 3.3 | //// | //// |
| TOTALS | 25.2 | 37.2 | 24.9 | 7.0 | 1.8 | .3 | .1 | | | | | 100.0 | 7.9 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.8 | 1.5 | .4 | | .1 | | | | | | | 3.9 | 6.0 | 5.0 |
| 020-040 | 1.5 | 1.1 | .2 | .3 | | | | | | | | 3.1 | 6.2 | 5.0 |
| 050-070 | 1.7 | .4 | .5 | | | | | | | | | 2.7 | 5.0 | 4.0 |
| (E) 080-100 | 2.6 | .6 | .3 | | | | | | | | | 3.5 | 4.2 | 3.0 |
| 110-130 | 4.3 | 1.6 | .5 | | | | | | | | | 6.5 | 4.4 | 3.0 |
| 140-160 | 5.2 | 3.2 | 2.5 | .3 | | | | | | | | 11.2 | 6.2 | 5.0 |
| (S) 170-190 | 4.1 | 4.6 | 1.5 | | | | | | | | | 10.2 | 5.9 | 5.0 |
| 200-220 | 5.7 | 5.8 | 1.5 | .3 | .1 | | | | | | | 13.4 | 6.1 | 5.0 |
| 230-250 | 6.5 | 6.7 | 5.1 | 1.4 | .1 | | | | | | | 19.7 | 7.6 | 7.0 |
| (W) 260-280 | 3.7 | 3.7 | 1.8 | .2 | .2 | | .1 | | | | | 9.7 | 7.1 | 6.0 |
| 290-310 | 1.7 | 1.3 | .3 | .1 | .2 | | | | | | | 3.7 | 6.1 | 5.0 |
| 320-340 | 1.9 | 1.0 | .8 | | | | | | | | | 3.7 | 5.6 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.8 | //////// | |
| TOTALS | 40.7 | 31.5 | 15.4 | 2.6 | .7 | | .1 | | | | | 100.0 | 5.7 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.0 | 1.9 | .5 | | | | | | | | | 5.5 | 4.9 | 4.0 |
| 020-040 | 3.8 | .9 | .1 | | | | | | | | | 4.7 | 3.6 | 3.0 |
| 050-070 | 4.1 | .3 | .2 | | | | | | | | | 4.6 | 3.3 | 3.0 |
| (E) 080-100 | 5.5 | .4 | .2 | | | | | | | | | 6.1 | 3.2 | 3.0 |
| 110-130 | 8.3 | 2.5 | .1 | | .1 | .1 | | | | | | 11.1 | 4.0 | 3.0 |
| 140-160 | 8.0 | 4.0 | 1.8 | .1 | | | | | | | | 13.9 | 5.0 | 4.0 |
| (S) 170-190 | 6.1 | 3.3 | 1.9 | | | .1 | | | | | | 11.5 | 5.4 | 4.0 |
| 200-220 | 4.3 | 2.3 | .3 | | .1 | | | | | | | 7.0 | 4.6 | 4.0 |
| 230-250 | 4.6 | 4.0 | .6 | .1 | | | | | | | | 9.4 | 5.1 | 5.0 |
| (W) 260-280 | 2.8 | 2.5 | .4 | .1 | | | | | | | | 5.8 | 5.3 | 5.0 |
| 290-310 | 2.6 | 1.3 | | .1 | | | | | | | | 4.0 | 4.2 | 4.0 |
| 320-340 | 1.6 | 1.1 | .2 | | | | | | | | | 2.9 | 4.5 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 13.5 | //////// | |
| TOTALS | 54.7 | 24.5 | 6.3 | .4 | .2 | .2 | | | | | | 100.0 | 3.9 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: MAY HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.9 | 1.7 | .6 | .1 | .0 | | | | | | | 6.2 | 4.7 | 4.0 |
| 020-040 | 3.4 | .9 | .1 | .0 | | | | | | | | 4.4 | 3.7 | 3.0 |
| 050-070 | 3.1 | .4 | .2 | .0 | .0 | | | | | | | 3.7 | 3.5 | 3.0 |
| (E) 080-100 | 2.9 | .4 | .1 | | | .0 | | | | | | 3.4 | 3.3 | 3.0 |
| 110-130 | 4.1 | 1.2 | .2 | .0 | .0 | .0 | | | | | | 5.5 | 3.9 | 3.0 |
| 140-160 | 6.1 | 4.0 | 1.2 | .2 | .0 | | | | | | | 11.6 | 5.2 | 4.0 |
| (S) 170-190 | 5.3 | 5.4 | 1.8 | .2 | | .0 | | | | | | 12.7 | 5.8 | 5.0 |
| 200-220 | 4.3 | 4.1 | 2.0 | .4 | .1 | | | | | | | 10.9 | 6.7 | 6.0 |
| 230-250 | 4.1 | 4.0 | 2.4 | .7 | .1 | .0 | .0 | | | | | 11.4 | 7.1 | 6.0 |
| (W) 260-280 | 3.3 | 3.3 | 1.4 | .2 | .1 | | .0 | | | | | 8.3 | 6.4 | 6.0 |
| 290-310 | 3.1 | 2.0 | .4 | .1 | .0 | | | | | | | 5.6 | 4.9 | 4.0 |
| 320-340 | 2.8 | 1.5 | .5 | .1 | .0 | .0 | | | | | | 4.9 | 5.1 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 11.4 | //////// | |
| TOTALS | 46.4 | 28.9 | 10.9 | 2.0 | .3 | | | | | | | 100.0 | 4.8 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | | | | | | | | | | | | | | |
| 020-040 | | | | | | | | | | | | | | |
| 050-070 | | | | | | | | | | | | | | |
| (E) 080-100 | 8.3 | | | | | | | | | | | 8.3 | 2.0 | 2.0 |
| 110-130 | | | | | | | | | | | | | | |
| 140-160 | | | | | | | | | | | | | | |
| (S) 170-190 | | | | | | | | | | | | | | |
| 200-220 | 8.3 | | | | | | | | | | | 8.3 | 3.0 | 3.0 |
| 230-250 | | | 8.3 | 8.3 | | | | | | | | 16.7 | 15.5 | 15.5 |
| (W) 260-280 | 8.3 | | 8.3 | 16.7 | 8.3 | | | | | | | 41.7 | 14.8 | 17.0 |
| 290-310 | | 8.3 | | | | | | | | | | 8.3 | 5.0 | 5.0 |
| 320-340 | | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 16.7 | //////// | |
| TOTALS | 24.9 | 8.3 | 16.6 | 25.0 | 8.3 | | | | | | | 100.0 | 9.6 | 13.5 |

TOTAL NUMBER OF OBSERVATIONS 12

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.3 | .9 | .2 | .1 | | | | | | | | 5.6 | 3.6 | 3.0 |
| 020-040 | 5.0 | .2 | | | | | | | | | | 5.2 | 2.7 | 2.0 |
| 050-070 | 5.1 | .6 | | | | | | | | | | 5.7 | 2.9 | 2.0 |
| (E) 080-100 | 4.9 | 1.3 | .1 | | | | | | | | | 6.3 | 3.3 | 3.0 |
| 110-130 | 5.0 | 1.4 | .2 | | | | | | | | | 6.7 | 3.6 | 3.0 |
| 140-160 | 9.6 | 8.0 | 2.7 | .6 | | | | | | | | 20.8 | 5.8 | 5.0 |
| (S) 170-190 | 5.7 | 6.9 | 2.8 | .2 | | | | | | | | 15.6 | 6.1 | 6.0 |
| 200-220 | 2.1 | 2.9 | .7 | | | | | | | | | 5.7 | 6.0 | 6.0 |
| 230-250 | 1.7 | .7 | .3 | | | | | | | | | 2.7 | 4.7 | 4.0 |
| (W) 260-280 | 2.4 | .6 | .1 | | | | | | | | | 3.1 | 3.6 | 3.5 |
| 290-310 | 2.6 | .7 | | | | | | | | | | 3.2 | 3.1 | 3.0 |
| 320-340 | 3.2 | .9 | .4 | | | | | | | | | 4.6 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 15.0 | //////// | |
| TOTALS | 51.6 | 25.1 | 7.5 | .9 | | | | | | | | 100.0 | 4.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.7 | 1.2 | | | | | | | | | | 7.9 | 3.3 | 3.0 |
| 020-040 | 8.7 | .9 | | | | | | | | | | 9.6 | 2.6 | 2.0 |
| 050-070 | 5.8 | .6 | | | | | | | | | | 6.3 | 2.7 | 2.0 |
| (E) 080-100 | 5.8 | .7 | .1 | | | | | | | | | 6.6 | 3.1 | 3.0 |
| 110-130 | 4.7 | 1.1 | | | | | | | | | | 5.8 | 3.4 | 3.0 |
| 140-160 | 8.6 | 6.7 | 1.2 | .2 | | | | | | | | 16.7 | 5.0 | 4.0 |
| (S) 170-190 | 7.6 | 3.4 | .7 | | | | | | | | | 11.7 | 4.4 | 4.0 |
| 200-220 | 1.4 | 1.0 | .1 | | | | | | | | | 2.6 | 4.4 | 4.0 |
| 230-250 | 2.0 | .7 | .1 | | | | | | | | | 2.8 | 4.0 | 4.0 |
| (W) 260-280 | 1.2 | .6 | | | | | | | | | | 1.8 | 3.9 | 3.0 |
| 290-310 | 2.0 | .8 | | | | | | | | | | 2.8 | 3.6 | 4.0 |
| 320-340 | 3.4 | .8 | | | | | | | | | | 4.2 | 3.2 | 2.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 21.4 | //////// | |
| TOTALS | 57.9 | 18.5 | 2.2 | .2 | | | | | | | | 100.0 | 2.9 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: JUN HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.6 | 3.0 | .4 | | | | | | | | | 10.0 | 4.2 | 4.0 |
| 020-040 | 2.6 | .6 | | | | | | | | | | 3.1 | 3.1 | 2.5 |
| 050-070 | 3.2 | .1 | | | | | | | | | | 3.3 | 2.2 | 2.0 |
| (E) 080-100 | 2.8 | .3 | | | | | | | | | | 3.1 | 2.4 | 2.0 |
| 110-130 | 4.4 | 1.0 | .2 | | | | | | | | | 5.7 | 3.5 | 3.0 |
| 140-160 | 6.6 | 6.3 | .7 | | | | | | | | | 13.6 | 5.2 | 5.0 |
| (S) 170-190 | 7.2 | 5.2 | 1.1 | .1 | | | | | | | | 13.7 | 4.9 | 4.0 |
| 200-220 | 3.7 | 1.6 | .3 | | | | | | | | | 5.6 | 4.1 | 3.0 |
| 230-250 | 1.3 | .4 | .3 | | | | | | | | | 2.1 | 4.5 | 3.0 |
| (W) 260-280 | 2.9 | .4 | .3 | | | | | | | | | 3.7 | 3.5 | 2.0 |
| 290-310 | 3.9 | 1.3 | | | | | | | | | | 5.2 | 3.5 | 3.0 |
| 320-340 | 5.8 | 1.6 | .1 | .1 | | | | | | | | 7.6 | 3.6 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 23.4 | //////////////////////////////// | |
| TOTALS | 51.0 | 21.8 | 3.4 | .2 | | | | | | | | 100.0 | 3.1 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.3 | 1.3 | .9 | .1 | | | | | | | | 4.7 | 5.7 | 4.5 |
| 020-040 | 1.3 | .3 | | | | | | | | | | 1.7 | 2.9 | 2.0 |
| 050-070 | .9 | | | | | | | | | | | .9 | 2.0 | 2.0 |
| (E) 080-100 | .8 | .1 | | | | | | | | | | .9 | 2.3 | 1.5 |
| 110-130 | 2.2 | .9 | .1 | | | | | | | | | 3.2 | 3.8 | 4.0 |
| 140-160 | 4.9 | 3.6 | .8 | | | | | | | | | 9.2 | 4.9 | 4.0 |
| (S) 170-190 | 10.4 | 9.2 | 2.7 | .2 | | | | | | | | 22.6 | 5.4 | 5.0 |
| 200-220 | 8.3 | 6.1 | 1.7 | .3 | | | | | | | | 16.4 | 5.2 | 4.0 |
| 230-250 | 6.3 | 4.0 | 1.2 | | | | | | | | | 11.6 | 4.7 | 4.0 |
| (W) 260-280 | 4.3 | 3.7 | .4 | | | | | | | | | 8.4 | 4.6 | 4.0 |
| 290-310 | 4.8 | 1.7 | | | | | | | | | | 6.4 | 3.5 | 3.0 |
| 320-340 | 2.9 | 1.7 | .1 | | | | | | | | | 4.7 | 4.2 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 9.3 | //////// | |
| TOTALS | 49.4 | 32.6 | 7.9 | .6 | | | | | | | | 100.0 | 4.3 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.1 | .8 | .2 | | | | | | | | | 3.1 | 3.9 | 3.0 |
| 020-040 | 1.1 | .7 | .1 | | | | | | | | | 1.9 | 4.7 | 4.0 |
| 050-070 | .9 | .2 | .4 | .2 | | | | | | | | 1.8 | 7.1 | 5.5 |
| (E) 080-100 | .7 | .3 | .1 | .1 | | | | | | | | 1.2 | 5.8 | 4.0 |
| 110-130 | 2.3 | 1.1 | .1 | .1 | | | | | | | | 3.7 | 4.0 | 3.0 |
| 140-160 | 4.9 | 4.6 | 1.1 | .1 | | | | | | | | 10.7 | 5.4 | 5.0 |
| (S) 170-190 | 5.8 | 8.8 | 2.7 | .8 | | .1 | | | | | | 18.1 | 6.7 | 6.0 |
| 200-220 | 4.8 | 6.9 | 3.3 | .3 | .1 | | | | | | | 15.4 | 6.8 | 6.0 |
| 230-250 | 5.8 | 5.4 | 1.6 | .2 | .1 | | | | | | | 13.1 | 5.7 | 5.0 |
| (W) 260-280 | 3.2 | 6.8 | 1.9 | | | | | | | | | 11.9 | 6.2 | 6.0 |
| 290-310 | 4.3 | 3.8 | .6 | .1 | | | | | | | | 8.8 | 4.8 | 5.0 |
| 320-340 | 3.3 | 2.0 | .2 | | | | | | | | | 5.6 | 4.2 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 4.8 | //////// | |
| TOTALS | 39.2 | 41.4 | 12.3 | 1.9 | .2 | .1 | | | | | | 100.0 | 5.5 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.2 | .7 | .7 | .1 | .1 | .1 | | | | | | 3.9 | 6.4 | 3.0 |
| 020-040 | .8 | .7 | .4 | .1 | | | | | | | | 2.0 | 6.6 | 5.5 |
| 050-070 | 1.2 | .3 | .9 | .2 | | | | | | | | 2.7 | 7.0 | 5.0 |
| (E) 080-100 | 1.4 | 1.4 | .3 | .2 | .1 | | | | | | | 3.6 | 6.7 | 5.5 |
| 110-130 | 1.7 | 1.4 | .7 | .1 | | | | | | | | 3.9 | 6.3 | 6.0 |
| 140-160 | 2.9 | 5.1 | 2.0 | | .2 | | | | | | | 10.2 | 6.7 | 6.0 |
| (S) 170-190 | 4.1 | 7.3 | 3.6 | .6 | | | | | | | | 15.6 | 7.0 | 7.0 |
| 200-220 | 5.4 | 5.6 | 3.7 | 1.2 | .1 | | | | | | | 16.0 | 7.3 | 6.0 |
| 230-250 | 4.0 | 6.4 | 3.6 | 1.8 | .1 | | | | | | | 15.9 | 7.9 | 7.0 |
| (W) 260-280 | 3.8 | 4.6 | 2.3 | .1 | | | | | | | | 10.8 | 6.4 | 6.0 |
| 290-310 | 2.7 | 2.8 | .9 | | .1 | | | | | | | 6.4 | 5.8 | 5.5 |
| 320-340 | 2.3 | 1.7 | .7 | .1 | | | | | | | | 4.8 | 5.5 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 4.3 | //////////////////////////////// | |
| TOTALS | 32.5 | 38.0 | 19.8 | 4.5 | .7 | .1 | | | | | | 100.0 | 6.6 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.7 | 1.3 | .8 | .1 | | | | | | | | 4.9 | 5.6 | 4.0 |
| 020-040 | 1.6 | 1.0 | .9 | .1 | | | | | | | | 3.6 | 6.6 | 5.5 |
| 050-070 | 1.3 | 1.4 | .4 | .1 | | | | | | | | 3.3 | 5.8 | 5.0 |
| (E) 080-100 | 2.4 | 1.0 | | .1 | | | | | | | | 3.6 | 4.0 | 3.0 |
| 110-130 | 2.7 | 1.8 | .8 | | | | | | | | | 5.2 | 5.4 | 4.0 |
| 140-160 | 5.0 | 6.4 | 3.7 | .8 | .1 | | | | | | | 16.0 | 7.1 | 6.0 |
| (S) 170-190 | 7.4 | 5.0 | 2.2 | .9 | | | | | | | | 15.6 | 6.0 | 5.0 |
| 200-220 | 6.2 | 4.0 | 1.9 | .1 | | | | | | | | 12.2 | 5.6 | 4.0 |
| 230-250 | 4.7 | 4.4 | 2.2 | .4 | | | | | | | | 11.8 | 6.5 | 6.0 |
| (W) 260-280 | 3.7 | 3.4 | .9 | .2 | | | | | | | | 8.2 | 5.6 | 5.0 |
| 290-310 | 1.6 | 1.1 | .8 | .1 | | | | | | | | 3.6 | 6.2 | 5.0 |
| 320-340 | 1.8 | 1.2 | .4 | | | | | | | | | 3.4 | 5.1 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 8.7 | //////// | |
| TOTALS | 41.1 | 32.0 | 15.0 | 2.9 | .1 | | | | | | | 100.0 | 5.5 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.7 | 1.4 | .3 | | | .1 | | | | | | 4.6 | 5.1 | 4.0 |
| 020-040 | 2.3 | 1.3 | .2 | | | | | | | | | 3.9 | 4.7 | 4.0 |
| 050-070 | 3.2 | 1.1 | .2 | .2 | | | | | | | | 4.8 | 4.9 | 4.0 |
| (E) 080-100 | 5.0 | .7 | .1 | | | | | | | | | 5.8 | 3.1 | 3.0 |
| 110-130 | 7.2 | 1.8 | .4 | | | | | | | | | 9.4 | 3.7 | 3.0 |
| 140-160 | 9.2 | 9.1 | 3.6 | .2 | | | | | | | | 22.1 | 6.0 | 6.0 |
| (S) 170-190 | 4.8 | 5.0 | 3.3 | .1 | | | | | | | | 13.2 | 6.4 | 6.0 |
| 200-220 | 3.9 | 1.9 | .9 | .1 | | | | | | | | 6.8 | 4.9 | 4.0 |
| 230-250 | 3.2 | 1.2 | .3 | .1 | | | | | | | | 4.9 | 4.8 | 4.0 |
| (W) 260-280 | 2.7 | 2.0 | .2 | | | | | | | | | 4.9 | 4.3 | 4.0 |
| 290-310 | 2.4 | .8 | .1 | .1 | | | | | | | | 3.4 | 4.1 | 3.0 |
| 320-340 | 2.7 | .9 | .2 | .1 | | | | | | | | 3.9 | 4.3 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 12.3 | //////// | |
| TOTALS | 49.3 | 27.2 | 9.8 | .9 | | .1 | | | | | | 100.0 | 4.4 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.7 | 1.3 | .4 | .1 | .0 | .0 | | | | | | 5.6 | 4.5 | 4.0 |
| 020-040 | 2.9 | .7 | .2 | .0 | | | | | | | | 3.9 | 3.8 | 3.0 |
| 050-070 | 2.7 | .5 | .3 | .1 | | | | | | | | 3.6 | 4.0 | 3.0 |
| (E) 080-100 | 3.0 | .7 | .1 | .1 | .0 | | | | | | | 3.9 | 3.7 | 3.0 |
| 110-130 | 3.8 | 1.3 | .3 | .0 | | | | | | | | 5.4 | 4.1 | 3.0 |
| 140-160 | 6.4 | 6.2 | 2.0 | .2 | .0 | | | | | | | 14.9 | 5.8 | 5.0 |
| (S) 170-190 | 6.6 | 6.4 | 2.4 | .4 | | .0 | | | | | | 15.7 | 5.9 | 5.0 |
| 200-220 | 4.5 | 3.7 | 1.6 | .3 | .0 | | | | | | | 10.1 | 5.9 | 5.0 |
| 230-250 | 3.6 | 2.9 | 1.2 | .3 | .0 | | | | | | | 8.1 | 6.0 | 5.0 |
| (W) 260-280 | 3.0 | 2.8 | .8 | .0 | | | | | | | | 6.6 | 5.3 | 5.0 |
| 290-310 | 3.0 | 1.6 | .3 | .0 | .0 | | | | | | | 5.0 | 4.4 | 4.0 |
| 320-340 | 3.2 | 1.3 | .3 | .0 | | | | | | | | 4.8 | 4.2 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 12.4 | //////// | |
| TOTALS | 46.4 | 29.4 | 9.9 | 1.5 | | | | | | | | 100.0 | 4.6 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | | 12.5 | | | 12.5 | | | | | | | 25.0 | 15.5 | 15.5 |
| 020-040 | 12.5 | 12.5 | | | | | | | | | | 25.0 | 5.0 | 5.0 |
| 050-070 | | 12.5 | | | | | | | | | | 12.5 | 8.0 | 8.0 |
| (E) 080-100 | | | | | | | | | | | | | | |
| 110-130 | | | | | | | | | | | | | | |
| 140-160 | | | | | | | | | | | | | | |
| (S) 170-190 | | | | | | | | | | | | | | |
| 200-220 | | | | | | | | | | | | | | |
| 230-250 | | | | | | | | | | | | | | |
| (W) 260-280 | 12.5 | | | 12.5 | | | | | | | | 25.0 | 8.5 | 8.5 |
| 290-310 | | | 12.5 | | | | | | | | | 12.5 | 13.0 | 13.0 |
| 320-340 | | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | .0 | //////////////////////////////// | |
| TOTALS | 25.0 | 37.5 | 12.5 | 12.5 | 12.5 | | | | | | | 100.0 | 9.9 | 8.0 |

TOTAL NUMBER OF OBSERVATIONS 8

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (W) 350-010 | 4.5 | 2.0 | .6 | .2 | .1 | | | | | | | 7.5 | 4.9 | 3.0 |
| 020-040 | 5.1 | .9 | .2 | .1 | | | | | | | | 6.2 | 3.7 | 3.0 |
| 050-070 | 4.0 | .4 | | | | | | | | | | 4.4 | 2.7 | 2.0 |
| (E) 080-100 | 3.9 | .8 | .1 | | | | | | | | | 4.7 | 3.0 | 2.0 |
| 110-130 | 3.5 | 2.3 | .4 | | | | | | | | | 6.2 | 4.6 | 4.0 |
| 140-160 | 6.9 | 8.0 | 1.7 | | | | | | | | | 16.6 | 5.7 | 6.0 |
| (S) 170-190 | 3.9 | 5.8 | 1.2 | .2 | | | | | | | | 11.1 | 5.8 | 5.0 |
| 200-220 | 2.8 | 2.0 | .5 | .2 | | | | | | | | 5.6 | 5.4 | 4.5 |
| 230-250 | 2.4 | .8 | | | | | | | | | | 3.1 | 3.6 | 4.0 |
| (W) 260-280 | 2.0 | .4 | .1 | .1 | | | | | | | | 2.7 | 4.2 | 4.0 |
| 290-310 | 3.0 | 1.3 | .1 | | | | | | | | | 4.4 | 3.9 | 4.0 |
| 320-340 | 2.7 | 1.2 | .4 | | | | | | | | | 4.3 | 4.4 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 23.1 | //////// | |
| TOTALS | 44.7 | 25.9 | 5.3 | .8 | .1 | | | | | | | 100.0 | 3.6 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 7.4 | 1.1 | | | | | | | | | | 8.5 | 2.8 | 2.0 |
| 020-040 | 8.3 | 1.3 | | | | | | | | | | 9.6 | 2.8 | 2.0 |
| 050-070 | 6.8 | .4 | | | | | | | | | | 7.2 | 2.6 | 2.0 |
| (E) 080-100 | 3.7 | .6 | .1 | | | | | | | | | 4.4 | 3.2 | 2.0 |
| 110-130 | 4.1 | 1.8 | .2 | | | | | | | | | 6.1 | 3.7 | 3.0 |
| 140-160 | 7.0 | 5.9 | .4 | | | | | | | | | 13.3 | 4.6 | 4.0 |
| (S) 170-190 | 3.5 | 3.3 | .2 | | | | | | | | | 7.1 | 4.7 | 4.5 |
| 200-220 | 1.7 | 1.3 | | | | | | | | | | 3.0 | 4.3 | 3.5 |
| 230-250 | .9 | .3 | | | | | | | | | | 1.2 | 3.3 | 3.0 |
| (W) 260-280 | 1.8 | .2 | | | | | | | | | | 2.0 | 2.8 | 2.0 |
| 290-310 | 2.8 | 1.0 | | | | | | | | | | 3.8 | 3.4 | 3.0 |
| 320-340 | 3.9 | 1.2 | | | | | | | | | | 5.1 | 3.2 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 28.7 | //////// | |
| TOTALS | 51.9 | 18.4 | .9 | | | | | | | | | 100.0 | 2.5 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.3 | 1.9 | .3 | | | | | | | | | 8.6 | 3.6 | 3.0 |
| 020-040 | 4.8 | .5 | | | | | | | | | | 5.4 | 2.7 | 2.0 |
| 050-070 | 2.7 | | | | | | | | | | | 2.7 | 1.8 | 2.0 |
| (E) 080-100 | 2.7 | | | | | | | | | | | 2.7 | 2.5 | 2.0 |
| 110-130 | 3.9 | 1.3 | .2 | | | | | | | | | 5.4 | 4.0 | 3.0 |
| 140-160 | 4.7 | 4.4 | .2 | | | | | | | | | 9.4 | 4.5 | 4.0 |
| (S) 170-190 | 6.5 | 3.7 | .4 | | | | | | | | | 10.5 | 4.5 | 4.0 |
| 200-220 | 1.9 | 1.0 | .2 | | | | | | | | | 3.1 | 4.0 | 3.0 |
| 230-250 | 3.2 | .4 | .1 | | | | | | | | | 3.8 | 2.9 | 2.0 |
| (W) 260-280 | 2.7 | .5 | | | | | | | | | | 3.2 | 2.9 | 2.0 |
| 290-310 | 6.1 | 1.5 | | | | | | | | | | 7.6 | 2.9 | 2.0 |
| 320-340 | 5.6 | 1.9 | | .1 | | | | | | | | 7.6 | 3.7 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 30.0 | //////// | |
| TOTALS | 51.1 | 17.1 | 1.4 | .1 | | | | | | | | 100.0 | 2.5 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.8 | 1.2 | .6 | | | | | | | | | 3.7 | 5.5 | 4.5 |
| 020-040 | 1.6 | .1 | | | | | | | | | | 1.7 | 2.8 | 2.5 |
| 050-070 | 1.0 | | | | | | | | | | | 1.0 | 1.4 | 1.0 |
| (E) 080-100 | .9 | .3 | | | | | | | | | | 1.2 | 3.3 | 2.0 |
| 110-130 | 4.2 | .2 | | | | | | | | | | 4.4 | 2.6 | 2.0 |
| 140-160 | 8.2 | 3.9 | .4 | | | | | | | | | 12.5 | 3.8 | 3.0 |
| (S) 170-190 | 9.4 | 6.9 | 1.8 | | | | | | | | | 18.1 | 5.0 | 4.0 |
| 200-220 | 8.8 | 3.3 | .4 | | | | | | | | | 12.6 | 3.7 | 3.0 |
| 230-250 | 6.3 | 3.2 | .2 | | | | | | | | | 9.8 | 4.0 | 4.0 |
| (W) 260-280 | 4.1 | 1.9 | .4 | .1 | | | | | | | | 6.6 | 4.6 | 4.0 |
| 290-310 | 5.1 | 1.9 | | | | | | | | | | 7.0 | 3.8 | 4.0 |
| 320-340 | 3.7 | 2.5 | .4 | | | | | | | | | 6.6 | 4.6 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 15.1 | //////// | |
| TOTALS | 55.1 | 25.4 | 4.2 | .1 | | | | | | | | 100.0 | 3.5 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.6 | 1.0 | .3 | | | | | | | | | 2.9 | 4.5 | 4.0 |
| 020-040 | 1.9 | .6 | .1 | .1 | .1 | .1 | | | | | | 3.0 | 5.8 | 3.5 |
| 050-070 | 1.3 | 1.4 | .4 | .2 | | | | | | | | 3.3 | 6.2 | 5.0 |
| (E) 080-100 | 1.2 | 1.5 | 1.1 | .4 | .2 | | | | | | | 4.4 | 8.5 | 8.0 |
| 110-130 | 3.9 | 2.2 | 1.2 | .1 | | | | | | | | 7.3 | 5.5 | 4.0 |
| 140-160 | 4.7 | 5.5 | 1.5 | | | | | | | | | 11.7 | 5.6 | 5.0 |
| (S) 170-190 | 5.1 | 8.4 | 1.4 | .2 | | | | | | | | 15.1 | 5.7 | 6.0 |
| 200-220 | 6.2 | 6.2 | 1.0 | .1 | | | | | | | | 13.5 | 5.1 | 5.0 |
| 230-250 | 4.8 | 4.5 | .9 | .1 | | | | | | | | 10.3 | 5.0 | 5.0 |
| (W) 260-280 | 4.2 | 4.1 | .3 | | | | | | | | | 8.6 | 4.6 | 5.0 |
| 290-310 | 3.4 | 4.2 | .3 | | | | | | | | | 8.0 | 5.1 | 5.0 |
| 320-340 | 2.4 | 2.8 | .3 | | | | | | | | | 5.5 | 5.0 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 6.3 | //////// | |
| TOTALS | 40.7 | 42.4 | 8.8 | 1.2 | .3 | .1 | | | | | | 100.0 | 5.1 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASEEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | .9 | 1.4 | .6 | .1 | | | | | | | | 3.0 | 6.8 | 5.5 |
| 020-040 | 1.9 | 1.5 | .6 | .1 | .1 | | | | | | | 4.3 | 6.1 | 6.0 |
| 050-070 | 1.4 | 3.1 | 2.2 | .3 | | .1 | | | | | | 7.1 | 8.1 | 8.0 |
| (E) 080-100 | 1.9 | 2.4 | 1.6 | | | | | | | | | 5.9 | 6.7 | 8.0 |
| 110-130 | 2.3 | 2.8 | 1.2 | .4 | | | | | | | | 6.7 | 6.8 | 6.0 |
| 140-160 | 4.6 | 6.6 | 5.1 | .6 | .3 | .1 | | | | | | 17.3 | 7.9 | 8.0 |
| (S) 170-190 | 3.9 | 6.8 | 4.0 | .4 | .1 | | | | | | | 15.2 | 7.5 | 7.0 |
| 200-220 | 4.3 | 4.4 | 2.3 | .6 | | | | | | | | 11.6 | 6.6 | 6.0 |
| 230-250 | 2.4 | 3.2 | 1.7 | .2 | | | | | | | | 7.5 | 6.7 | 7.0 |
| (W) 260-280 | 2.6 | 3.5 | .4 | | | | | | | | | 6.6 | 5.1 | 5.0 |
| 290-310 | 2.4 | 2.8 | .4 | | .1 | | | | | | | 5.7 | 5.6 | 6.0 |
| 320-340 | 2.0 | 1.6 | .3 | .1 | .3 | | | | | | | 4.4 | 6.3 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 4.7 | //////////////////////////////// | |
| TOTALS | 30.6 | 40.1 | 20.4 | 2.8 | .9 | .2 | | | | | | 100.0 | 6.6 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.6 | 1.4 | 1.0 | .2 | | | | | | | | 5.2 | 6.0 | 4.5 |
| 020-040 | 3.4 | 1.6 | .1 | .2 | | | | | | | | 5.4 | 4.7 | 4.0 |
| 050-070 | 2.2 | 1.4 | .2 | .1 | .1 | | | | | | | 4.0 | 5.6 | 4.0 |
| (E) 080-100 | 1.5 | 2.3 | 1.2 | | | | | | | | | 4.9 | 6.5 | 6.0 |
| 110-130 | 2.8 | 3.2 | 1.2 | .2 | | | | | | | | 7.4 | 6.1 | 6.0 |
| 140-160 | 5.1 | 8.1 | 5.3 | 1.3 | | | | | | | | 19.7 | 7.6 | 7.0 |
| (S) 170-190 | 6.2 | 7.1 | 3.4 | .8 | .4 | .1 | | | | | | 18.1 | 7.1 | 6.0 |
| 200-220 | 4.0 | 3.3 | 1.6 | .2 | .1 | | | | | | | 9.2 | 6.1 | 6.0 |
| 230-250 | 2.9 | 2.5 | .5 | .1 | | | | | | | | 6.0 | 5.0 | 5.0 |
| (W) 260-280 | 1.9 | 1.7 | .6 | .1 | | | | | | | | 4.4 | 5.9 | 5.0 |
| 290-310 | 2.3 | .6 | .2 | | | | | | | | | 3.1 | 4.2 | 4.0 |
| 320-340 | 2.2 | 1.0 | .5 | .2 | | | | | | | | 3.9 | 5.8 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 8.7 | //////// | |
| TOTALS | 37.1 | 34.2 | 15.8 | 3.4 | .6 | .1 | | | | | | 100.0 | 5.8 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 21-23

| WIND SPEED IN KNOTS | | | | | | | | | | | | | | |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| DIRECTION (DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | 3.9 | 1.7 | 1.1 | .2 | .2 | .2 | .1 | | | | | 7.4 | 7.0 | 4.0 |
| 020-040 | 3.9 | 1.2 | .3 | .2 | .1 | | | | | | | 5.7 | 5.0 | 4.0 |
| 050-070 | 4.5 | .6 | .8 | | | | | | | | | 5.9 | 4.2 | 3.0 |
| (E) 080-100 | 4.5 | 1.4 | | .2 | | | | | | | | 6.1 | 3.9 | 3.0 |
| 110-130 | 3.3 | 2.9 | .1 | | | | | | | | | 6.3 | 4.7 | 4.0 |
| 140-160 | 6.7 | 8.9 | 3.4 | .4 | .1 | | | | | | | 19.6 | 6.7 | 6.0 |
| (S) 170-190 | 5.5 | 6.3 | 1.5 | .4 | | | | | | | | 13.8 | 5.0 | 6.0 |
| 200-220 | 2.9 | 2.3 | .8 | .1 | | | | | | | | 6.0 | 5.5 | 5.0 |
| 230-250 | 2.9 | 1.9 | .1 | | | | | | | | | 4.9 | 4.8 | 4.0 |
| (W) 260-280 | 2.2 | 1.1 | .2 | .1 | | | | | | | | 3.5 | 4.8 | 4.0 |
| 290-310 | 1.9 | .6 | .2 | .1 | | | .1 | | | | | 3.0 | 5.6 | 4.0 |
| 320-340 | 2.6 | 1.7 | .5 | .2 | .1 | | | | | | | 5.2 | 5.7 | 4.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 12.5 | //////// | |
| TOTALS | 44.8 | 30.6 | 9.0 | 1.9 | .5 | .2 | .2 | | | | | 100.0 | 4.9 | 4.0 |
| TOTAL NUMBER OF OBSERVATIONS 930 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.6 | 1.5 | .6 | .1 | .0 | .0 | .0 | | | | | 5.8 | 4.9 | 4.0 |
| 020-040 | 3.9 | 1.0 | .2 | .1 | .0 | .0 | | | | | | 5.2 | 4.0 | 3.0 |
| 050-070 | 3.0 | .9 | .4 | .1 | .0 | .0 | | | | | | 4.4 | 4.6 | 3.0 |
| (E) 080-100 | 2.5 | 1.2 | .5 | .1 | .0 | | | | | | | 4.3 | 5.0 | 4.0 |
| 110-130 | 3.5 | 2.1 | .6 | .1 | | | | | | | | 6.2 | 4.9 | 4.0 |
| 140-160 | 6.0 | 6.4 | 2.3 | .3 | .1 | .0 | | | | | | 15.0 | 6.1 | 6.0 |
| (S) 170-190 | 5.5 | 6.0 | 1.7 | .3 | .1 | .0 | | | | | | 13.6 | 5.9 | 5.0 |
| 200-220 | 4.1 | 3.0 | .8 | .2 | .0 | | | | | | | 8.1 | 5.2 | 4.0 |
| 230-250 | 3.2 | 2.1 | .4 | .1 | | | | | | | | 5.8 | 4.7 | 4.0 |
| (W) 260-280 | 2.7 | 1.7 | .3 | .1 | | | | | | | | 4.7 | 4.6 | 4.0 |
| 290-310 | 3.4 | 1.7 | .2 | .0 | .0 | | .0 | | | | | 5.3 | 4.3 | 4.0 |
| 320-340 | 3.1 | 1.7 | .3 | .1 | .1 | | | | | | | 5.3 | 4.7 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 16.1 | //////// | |
| TOTALS | 44.5 | 29.3 | 8.3 | 1.6 | .3 | | | | | | | 100.0 | 4.3 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | | | | | | | | | | | | | | |
| 020-040 | | | | | | | | | | | | | | |
| 050-070 | | | | | | | | | | | | | | |
| (E) 080-100 | | 16.7 | | | | | | | | | | 16.7 | 6.0 | 6.0 |
| 110-130 | | | 16.7 | | | | | | | | | 16.7 | 12.0 | 12.0 |
| 140-160 | | | | | 16.7 | 16.7 | | | | | | 33.3 | 24.5 | 24.5 |
| (S) 170-190 | | | | | | | | | | | | | | |
| 200-220 | | | | | | | | | | | | | | |
| 230-250 | 16.7 | 16.7 | | | | | | | | | | 33.3 | 5.5 | 5.5 |
| (W) 260-280 | | | | | | | | | | | | | | |
| 290-310 | | | | | | | | | | | | | | |
| 320-340 | | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | .0 | //////////////////////////////// | |
| TOTALS | 16.7 | 33.4 | 16.7 | | 16.7 | 16.7 | | | | | | 100.0 | 13.0 | 9.5 |

TOTAL NUMBER OF OBSERVATIONS 6

C - 4 - 70

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.7 | 1.8 | .3 | | | | | | | | | 6.9 | 3.9 | 3.0 |
| 020-040 | 7.3 | 1.6 | .2 | | | | | | | | | 9.1 | 3.3 | 3.0 |
| 050-070 | 4.0 | .3 | .1 | | | | | | | | | 4.4 | 2.5 | 2.0 |
| (E) 080-100 | 3.7 | .5 | | | | | | | | | | 4.2 | 2.8 | 2.0 |
| 110-130 | 3.8 | .9 | .8 | | | | | | | | | 5.4 | 4.6 | 3.0 |
| 140-160 | 7.5 | 4.8 | 1.5 | .1 | | | | | | | | 14.0 | 5.0 | 4.0 |
| (S) 170-190 | 4.4 | 5.3 | 1.1 | .1 | | | | | | | | 10.9 | 5.5 | 5.0 |
| 200-220 | 2.9 | 1.6 | .5 | | | | | | | | | 5.1 | 4.8 | 4.0 |
| 230-250 | 1.8 | .6 | .1 | | | | | | | | | 2.6 | 3.8 | 3.0 |
| (W) 260-280 | 1.2 | .5 | .1 | | | | | | | | | 1.8 | 3.7 | 3.0 |
| 290-310 | 3.7 | .8 | .2 | .2 | | | | | | | | 4.8 | 4.3 | 4.0 |
| 320-340 | 3.4 | 1.5 | .3 | | | | | | | | | 5.3 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.6 | //////// | |
| TOTALS | 48.4 | 20.2 | 5.2 | .4 | | | | | | | | 100.0 | 3.2 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 7.8 | 2.3 | .2 | | | | | | | | | 10.3 | 3.5 | 3.0 |
| 020-040 | 8.0 | 1.2 | .1 | | | | | | | | | 9.2 | 3.1 | 2.0 |
| 050-070 | 6.9 | 1.2 | | .1 | | | | | | | | 8.2 | 3.2 | 3.0 |
| (E) 080-100 | 4.1 | .2 | | | | | | | | | | 4.3 | 2.5 | 2.0 |
| 110-130 | 5.1 | 1.7 | .1 | | | | | | | | | 6.9 | 3.6 | 3.0 |
| 140-160 | 5.8 | 2.2 | .4 | | | | | | | | | 8.4 | 3.9 | 4.0 |
| (S) 170-190 | 4.0 | 2.3 | | | | | | | | | | 6.2 | 3.9 | 4.0 |
| 200-220 | 1.8 | 1.0 | | | | | | | | | | 2.8 | 3.8 | 3.0 |
| 230-250 | 1.7 | .6 | | | | | | | | | | 2.4 | 3.1 | 2.0 |
| (W) 260-280 | 1.4 | .3 | | | | | | | | | | 1.7 | 3.0 | 2.0 |
| 290-310 | 2.8 | .6 | | | | | | | | | | 3.4 | 3.1 | 3.0 |
| 320-340 | 4.8 | .6 | | .1 | | | | | | | | 5.6 | 3.1 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 30.5 | //////// | |
| TOTALS | 54.2 | 14.2 | .8 | .2 | | | | | | | | 100.0 | 2.4 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 8.0 | 1.7 | .3 | | | | | | | | | 10.0 | 3.3 | 2.0 |
| 020-040 | 6.5 | .8 | | | | | | | | | | 7.2 | 3.0 | 2.0 |
| 050-070 | 4.2 | .1 | .1 | | | | | | | | | 4.4 | 2.5 | 2.0 |
| (E) 080-100 | 3.2 | .3 | | | | | | | | | | 3.5 | 2.7 | 2.0 |
| 110-130 | 3.4 | .4 | | | | | | | | | | 3.9 | 3.0 | 3.0 |
| 140-160 | 6.3 | 1.9 | .2 | | | | | | | | | 8.5 | 3.7 | 3.0 |
| (S) 170-190 | 5.1 | 2.9 | .2 | | | | | | | | | 8.2 | 4.0 | 3.5 |
| 200-220 | 3.4 | .3 | .1 | | | | | | | | | 3.9 | 2.6 | 2.0 |
| 230-250 | 2.3 | | | | | | | | | | | 2.3 | 2.0 | 2.0 |
| (W) 260-280 | 2.4 | .5 | | | | | | | | | | 2.9 | 3.2 | 3.0 |
| 290-310 | 4.3 | 1.7 | .2 | | | | | | | | | 6.2 | 3.8 | 4.0 |
| 320-340 | 6.9 | 2.4 | .1 | | | | | | | | | 9.4 | 3.7 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 29.7 | //////// | |
| TOTALS | 56.0 | 13.0 | 1.2 | | | | | | | | | 100.0 | 2.3 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.4 | 1.4 | .1 | | | | | | | | | 5.9 | 3.4 | 3.0 |
| 020-040 | 1.5 | .2 | | | | | | | | | | 1.7 | 2.6 | 2.0 |
| 050-070 | 1.4 | | | | | | | | | | | 1.4 | 2.2 | 2.0 |
| (E) 080-100 | 1.7 | .3 | | | | | | | | | | 2.0 | 2.6 | 2.0 |
| 110-130 | 2.7 | .4 | | | | | | | | | | 3.1 | 2.6 | 2.0 |
| 140-160 | 6.5 | 3.1 | .4 | .1 | | | | | | | | 10.1 | 4.1 | 4.0 |
| (S) 170-190 | 11.6 | 4.3 | .3 | | | | | | | | | 16.2 | 3.6 | 3.0 |
| 200-220 | 10.9 | 5.2 | | | | | | | | | | 16.0 | 3.7 | 3.0 |
| 230-250 | 5.7 | 2.0 | | | | | | | | | | 7.7 | 3.5 | 3.0 |
| (W) 260-280 | 6.6 | 1.4 | | | | | | | | | | 8.0 | 3.3 | 3.0 |
| 290-310 | 5.5 | 2.7 | .1 | | | | | | | | | 8.3 | 3.7 | 3.0 |
| 320-340 | 3.9 | 2.5 | .1 | | | | | | | | | 6.5 | 4.1 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 13.0 | //////// | |
| TOTALS | 62.4 | 23.5 | 1.0 | .1 | | | | | | | | 100.0 | 3.1 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.2 | 1.1 | .1 | | | | | | | | | 4.4 | 3.6 | 3.0 |
| 020-040 | 1.5 | .4 | .4 | | | .1 | | | | | | 2.5 | 5.6 | 3.0 |
| 050-070 | 1.5 | .5 | .6 | .1 | | | | | | | | 2.8 | 5.9 | 4.0 |
| (E) 080-100 | 2.5 | 1.6 | .9 | .2 | .1 | | | | | | | 5.3 | 6.0 | 5.0 |
| 110-130 | 4.4 | 2.3 | .4 | .1 | | | | | | | | 7.2 | 4.5 | 4.0 |
| 140-160 | 4.5 | 3.9 | .8 | | .1 | | | | | | | 9.2 | 5.2 | 5.0 |
| (S) 170-190 | 9.4 | 6.1 | .8 | .2 | | | | | | | | 16.5 | 4.5 | 4.0 |
| 200-220 | 6.7 | 6.2 | 1.1 | .1 | | | | | | | | 14.1 | 5.1 | 5.0 |
| 230-250 | 5.5 | 3.9 | .3 | | | | | | | | | 9.7 | 4.4 | 4.0 |
| (W) 260-280 | 5.2 | 3.7 | | | | | | | | | | 8.8 | 4.2 | 4.0 |
| 290-310 | 5.5 | 4.4 | .5 | | | | | | | | | 10.4 | 4.7 | 4.0 |
| 320-340 | 2.6 | 1.7 | | | | | | | | | | 4.3 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 4.8 | //////// | |
| TOTALS | 52.5 | 35.8 | 5.9 | .7 | .2 | .1 | | | | | | 100.0 | 4.5 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.2 | 2.5 | .6 | .1 | | | | | | | | 6.5 | 5.1 | 4.5 |
| 020-040 | 1.8 | 1.9 | 1.1 | .3 | .1 | .1 | | | | | | 5.4 | 7.4 | 6.0 |
| 050-070 | 2.5 | 1.6 | 2.3 | .4 | .1 | | | | | | | 6.9 | 7.8 | 7.5 |
| (E) 080-100 | 2.9 | 1.9 | 1.5 | .2 | | | | | | | | 6.6 | 6.2 | 5.0 |
| 110-130 | 3.1 | 2.4 | 1.4 | .1 | .1 | | | | | | | 7.1 | 6.3 | 6.0 |
| 140-160 | 3.9 | 5.1 | 1.7 | .1 | | | | | | | | 10.8 | 5.9 | 6.0 |
| (S) 170-190 | 5.4 | 6.8 | 2.3 | .3 | | | | | | | | 14.7 | 6.3 | 6.0 |
| 200-220 | 5.8 | 3.8 | 1.0 | | | .1 | | | | | | 10.6 | 5.1 | 4.0 |
| 230-250 | 5.7 | 3.5 | .6 | .1 | | | | | | | | 10.0 | 4.8 | 4.0 |
| (W) 260-280 | 3.7 | 2.3 | .6 | | | | | | | | | 6.6 | 5.0 | 4.0 |
| 290-310 | 2.5 | 3.3 | .1 | .1 | | | | | | | | 6.0 | 4.9 | 5.0 |
| 320-340 | 3.7 | 1.5 | .3 | .1 | | | | | | | | 5.6 | 4.7 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 3.3 | //////// | |
| TOTALS | 44.2 | 36.6 | 13.5 | 1.8 | .3 | .2 | | | | | | 100.0 | 5.6 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.5 | 2.0 | 1.7 | | .1 | | | | | | | 7.4 | 5.8 | 5.0 |
| 020-040 | 2.6 | 1.5 | .1 | .2 | | | | | | | | 4.4 | 4.6 | 4.0 |
| 050-070 | 2.5 | 2.2 | .8 | | | | | | | | | 5.4 | 5.2 | 5.0 |
| (E) 080-100 | 3.2 | .9 | .5 | | | | | | | | | 4.6 | 4.6 | 4.0 |
| 110-130 | 4.6 | 2.5 | .3 | .1 | | | | | | | | 7.5 | 4.6 | 4.0 |
| 140-160 | 6.5 | 5.3 | 1.6 | .1 | | | | | | | | 13.4 | 5.4 | 5.0 |
| (S) 170-190 | 5.1 | 5.7 | 2.2 | .1 | | | | | | | | 13.0 | 6.2 | 6.0 |
| 200-220 | 5.6 | 2.9 | .5 | .1 | .1 | | | | | | | 9.2 | 4.8 | 4.0 |
| 230-250 | 4.1 | 1.2 | .2 | | | | | | | | | 5.5 | 3.5 | 3.0 |
| (W) 260-280 | 2.9 | 1.9 | .2 | .1 | | | | | | | | 5.2 | 4.5 | 4.0 |
| 290-310 | 3.0 | 1.0 | .5 | .1 | | | | | | | | 4.6 | 4.7 | 3.0 |
| 320-340 | 2.8 | 1.5 | .8 | .1 | | | | | | | | 5.2 | 5.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 14.5 | //////// | |
| TOTALS | 46.4 | 28.6 | 9.4 | .9 | .2 | | | | | | | 100.0 | 4.4 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 21-23

| | | WIND SPEED IN KNOTS | | | | | | | | | | | | | |
|------------------------|--|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION (DEGREES) | | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | | 4.7 | 2.2 | .9 | .1 | .1 | | | | | | | 8.0 | 4.9 | 4.0 |
| 020-040 | | 4.4 | 1.2 | .4 | .2 | | | | | | | | 6.2 | 4.4 | 3.0 |
| 050-070 | | 5.7 | .9 | .1 | | | | | | | | | 6.7 | 3.2 | 2.0 |
| (E) 080-100 | | 4.2 | .3 | .1 | | | | | | | | | 4.6 | 3.1 | 3.0 |
| 110-130 | | 6.2 | 1.6 | .2 | | | | | | | | | 8.1 | 3.4 | 3.0 |
| 140-160 | | 6.6 | 5.4 | 2.2 | .2 | | | | | | | | 14.3 | 5.7 | 5.0 |
| (S) 170-190 | | 5.6 | 4.0 | 1.8 | .2 | | | | | | | | 11.6 | 5.8 | 5.0 |
| 200-220 | | 2.9 | 2.0 | 1.0 | | | | | | | | | 5.9 | 5.7 | 5.0 |
| 230-250 | | 1.8 | .8 | .1 | | | | | | | | | 2.7 | 4.1 | 3.0 |
| (W) 260-280 | | 1.6 | .6 | .5 | | | | | | | | | 2.8 | 5.2 | 4.0 |
| 290-310 | | 2.6 | 1.1 | | | | | | | | | | 3.7 | 3.6 | 4.0 |
| 320-340 | | 2.4 | 2.4 | .4 | | | | | | | | | 5.2 | 5.6 | 5.0 |
| | | | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | | | |
| CALM | | //////////////////////////////////// | | | | | | | | | | | 20.3 | //////////////////////////////// | |
| TOTALS | | 48.7 | 22.5 | 7.7 | .7 | .1 | | | | | | | 100.0 | 3.8 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 5.0 | 1.9 | .5 | .0 | .0 | | | | | | | 7.4 | 4.2 | 3.0 |
| 020-040 | 4.2 | 1.1 | .3 | .1 | .0 | .0 | | | | | | 5.7 | 4.1 | 3.0 |
| 050-070 | 3.6 | .8 | .5 | .1 | .0 | | | | | | | 5.0 | 4.3 | 3.0 |
| (E) 080-100 | 3.2 | .8 | .4 | .1 | .0 | | | | | | | 4.4 | 4.1 | 3.0 |
| 110-130 | 4.2 | 1.5 | .4 | .0 | .0 | | | | | | | 6.1 | 4.2 | 3.0 |
| 140-160 | 5.9 | 4.0 | 1.1 | .1 | .0 | | | | | | | 11.1 | 5.0 | 4.0 |
| (S) 170-190 | 6.3 | 4.7 | 1.1 | .1 | | | | | | | | 12.2 | 5.0 | 4.0 |
| 200-220 | 5.0 | 2.9 | .5 | .0 | .0 | .0 | | | | | | 8.5 | 4.6 | 4.0 |
| 230-250 | 3.6 | 1.6 | .2 | .0 | | | | | | | | 5.3 | 4.0 | 4.0 |
| (W) 260-280 | 3.1 | 1.4 | .2 | .0 | | | | | | | | 4.7 | 4.1 | 3.0 |
| 290-310 | 3.7 | 1.9 | .2 | .1 | | | | | | | | 5.9 | 4.2 | 4.0 |
| 320-340 | 3.8 | 1.8 | .3 | .0 | | | | | | | | 5.9 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.7 | //////// | |
| TOTALS | 51.6 | 24.4 | 5.7 | .6 | | | | | | | | 100.0 | 3.7 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 8.3 | | | | | | | | | | | 8.3 | 1.5 | 1.5 |
| 020-040 | | | | | | 4.2 | | | | | | 4.2 | 28.0 | 25.0 |
| 050-070 | | | | | | | | | | | | | | |
| (E) 080-100 | 4.2 | | | | | | | | | | | 4.2 | 1.0 | 1.0 |
| 110-130 | 4.2 | 4.2 | | | | | | | | | | 8.3 | 4.5 | 4.5 |
| 140-160 | 12.5 | 4.2 | | | | | | | | | | 16.7 | 3.8 | 3.0 |
| (S) 170-190 | 8.3 | | | | | | | | | | | 8.3 | 3.0 | 3.0 |
| 200-220 | 8.3 | | 4.2 | | | | | | | | | 12.5 | 7.0 | 4.0 |
| 230-250 | 8.3 | | | | | | | | | | | 8.3 | 3.5 | 3.5 |
| (W) 260-280 | | | | | | | | | | | | | | |
| 290-310 | | | | | | | | | | | | | | |
| 320-340 | 8.3 | | | | | | | | | | | 8.3 | 2.5 | 2.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 20.8 | //////////////////////////////// | |
| TOTALS | 62.4 | 8.4 | 4.2 | | | 4.2 | | | | | | 100.0 | 4.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 24

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.1 | 1.6 | | | | | | | | | | 7.7 | 3.3 | 3.0 |
| 020-040 | 6.2 | .8 | | | | | | | | | | 7.0 | 3.1 | 3.0 |
| 050-070 | 6.6 | .3 | .2 | | | | | | | | | 7.1 | 2.8 | 2.0 |
| (E) 080-100 | 4.9 | .6 | .1 | | | | | | | | | 5.6 | 3.0 | 3.0 |
| 110-130 | 4.1 | 1.0 | .3 | .1 | | | | | | | | 5.6 | 4.0 | 3.0 |
| 140-160 | 7.7 | 5.1 | 1.3 | .2 | .1 | | | | | | | 14.4 | 5.3 | 4.0 |
| (S) 170-190 | 5.6 | 5.9 | .4 | | | | | | | | | 11.9 | 4.9 | 5.0 |
| 200-220 | 3.8 | 1.1 | .9 | .1 | | | | | | | | 5.9 | 4.8 | 4.0 |
| 230-250 | 1.3 | .2 | | | | | | | | | | 1.6 | 3.3 | 3.5 |
| (W) 260-280 | .9 | .8 | | | | | | | | | | 1.7 | 4.5 | 4.0 |
| 290-310 | 2.7 | 1.1 | | | | | | | | | | 3.8 | 3.5 | 3.0 |
| 320-340 | 4.1 | 1.9 | .1 | | | | | | | | | 6.1 | 3.8 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.8 | //////// | |
| TOTALS | 54.0 | 20.4 | 3.3 | .4 | .1 | | | | | | | 100.0 | 3.2 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 9.0 | 1.8 | | .2 | | | | | | | | 11.0 | 3.3 | 2.0 |
| 020-040 | 7.7 | 1.1 | | | | | | | | | | 8.8 | 2.9 | 2.0 |
| 050-070 | 7.2 | 1.2 | .1 | | | | | | | | | 8.6 | 2.9 | 3.0 |
| (E) 080-100 | 5.2 | .4 | | | | | | | | | | 5.7 | 2.4 | 2.0 |
| 110-130 | 4.7 | 1.0 | | | | | | | | | | 5.7 | 3.1 | 3.0 |
| 140-160 | 6.7 | 2.7 | .4 | .1 | | | | | | | | 9.9 | 4.1 | 4.0 |
| (S) 170-190 | 3.2 | 3.2 | .7 | | | | | | | | | 7.1 | 5.1 | 5.0 |
| 200-220 | 1.7 | 1.1 | .1 | | | | | | | | | 2.9 | 4.1 | 4.0 |
| 230-250 | 1.4 | .2 | .1 | | | | | | | | | 1.8 | 3.2 | 2.0 |
| (W) 260-280 | 1.2 | .3 | .2 | | | | | | | | | 1.8 | 3.6 | 2.5 |
| 290-310 | 2.6 | .2 | | | | | | | | | | 2.8 | 2.4 | 2.0 |
| 320-340 | 5.3 | 2.0 | | .2 | | | | | | | | 7.5 | 4.2 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 26.6 | //////// | |
| TOTALS | 55.9 | 15.2 | 1.6 | .5 | | | | | | | | 100.0 | 2.6 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 06-08

| | | WIND SPEED IN KNOTS | | | | | | | | | | | | | |
|------------------------|--|--------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|--|
| DIRECTION (DEGREES) | | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND | |
| (N) 350-010 | | 8.8 | 2.2 | | | | | | | | | 11.0 | 3.3 | 3.0 | |
| 020-040 | | 7.1 | .3 | .2 | | | | | | | | 7.7 | 2.8 | 2.0 | |
| 050-070 | | 2.8 | .4 | .1 | | | | | | | | 3.3 | 3.1 | 3.0 | |
| (E) 080-100 | | 4.7 | .2 | | | | | | | | | 4.9 | 2.4 | 2.0 | |
| 110-130 | | 5.0 | | | | | | | | | | 5.0 | 2.3 | 2 | |
| 140-160 | | 6.8 | 4.2 | 1.0 | .1 | | | | | | | 12.1 | 4.8 | 4.0 | |
| (S) 170-190 | | 4.4 | 1.9 | .2 | | | | | | | | 6.6 | 3.9 | 3.0 | |
| 200-220 | | 2.4 | .7 | | | | | | | | | 3.1 | 2.6 | 2.0 | |
| 230-250 | | 1.3 | .4 | .1 | | | | | | | | 1.9 | 3.6 | 3.0 | |
| (W) 260-280 | | 1.7 | 1.0 | | | | | | | | | 2.7 | 3.8 | 3.5 | |
| 290-310 | | 2.3 | 1.6 | | | | | | | | | 3.9 | 3.8 | 4.0 | |
| 320-340 | | 5.7 | .7 | .1 | | | | | | | | 6.4 | 2.8 | 2.0 | |
| ----- | | | | | | | | | | | | | | | |
| VARIABLE | | | | | | | | | | | | | | | |
| CALM | | //////////////////////////////////// | | | | | | | | | | 31.4 | //////////////////////////////// | | |
| TOTALS | | 53.0 | 13.6 | 1.7 | .1 | | | | | | | 100.0 | 2.3 | 3.0 | |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.6 | 1.7 | .1 | | | | | | | | | 5.3 | 4.3 | 4.0 |
| 020-040 | 1.6 | .6 | .1 | | | | | | | | | 2.2 | 3.9 | 3.5 |
| 050-070 | .9 | .1 | | | | | | | | | | 1.0 | 2.2 | 2.0 |
| (E) 080-100 | .9 | | .1 | | | | | | | | | 1.0 | 3.4 | 2.0 |
| 110-130 | 2.1 | .8 | | | | | | | | | | 2.9 | 3.2 | 2.0 |
| 140-160 | 6.0 | 3.9 | 1.1 | .1 | | | | | | | | 11.1 | 5.0 | 4.0 |
| (S) 170-190 | 12.2 | 6.7 | 1.3 | .1 | | | | | | | | 20.3 | 4.3 | 4.0 |
| 200-220 | 12.8 | 2.6 | .4 | .2 | .1 | | | | | | | 16.1 | 3.6 | 3.0 |
| 230-250 | 4.6 | 1.4 | .3 | | | | | | | | | 6.3 | 3.8 | 3.0 |
| (W) 260-280 | 4.2 | 1.8 | .1 | | | | | | | | | 6.1 | 3.2 | 2.0 |
| 290-310 | 3.7 | 2.0 | .4 | | | | | | | | | 6.1 | 4.4 | 4.0 |
| 320-340 | 5.4 | 1.6 | .3 | | | | | | | | | 7.3 | 3.6 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 14.1 | //////////////////////////////// | |
| TOTALS | 58.0 | 23.2 | 4.2 | .4 | .1 | | | | | | | 100.0 | 3.5 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.6 | 1.9 | .2 | .3 | | | | | | | | 5.0 | 5.4 | 4.0 |
| 020-040 | 1.1 | .8 | .2 | | | | | | | | | 2.1 | 4.4 | 4.0 |
| 050-070 | 1.2 | .2 | .6 | .1 | | | | | | | | 2.1 | 5.8 | 4.0 |
| (E) 080-100 | 1.1 | .8 | | | | | | | | | | 1.9 | 4.1 | 4.0 |
| 110-130 | 2.9 | 1.1 | .2 | | | | | | | | | 4.2 | 3.9 | 3.0 |
| 140-160 | 5.3 | 3.6 | .9 | .1 | | | | | | | | 9.9 | 5.0 | 4.0 |
| (S) 170-190 | 7.2 | 6.8 | 2.3 | .1 | | | | | | | | 16.4 | 5.6 | 5.0 |
| 200-220 | 7.0 | 5.8 | .8 | | .3 | | | | | | | 13.9 | 5.2 | 4.0 |
| 230-250 | 7.4 | 4.9 | .8 | .1 | | | | | | | | 13.2 | 4.7 | 4.0 |
| (W) 260-280 | 4.8 | 4.1 | .4 | .1 | .1 | | | | | | | 9.6 | 5.3 | 4.5 |
| 290-310 | 5.3 | 4.2 | .6 | | | | | | | | | 10.1 | 4.5 | 4.0 |
| 320-340 | 3.2 | 2.4 | .2 | .1 | | | | | | | | 6.0 | 4.6 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 5.6 | //////// | |
| TOTALS | 49.1 | 36.6 | 7.2 | .9 | .4 | | | | | | | 100.0 | 4.7 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.7 | 2.2 | .8 | .1 | | | | | | | | 5.8 | 5.6 | 5.0 |
| 020-040 | 1.9 | .9 | .7 | .2 | | | | | | | | 3.7 | 6.1 | 4.0 |
| 050-070 | 1.4 | .9 | 1.2 | .2 | | | | | | | | 3.8 | 7.1 | 6.0 |
| (E) 080-100 | 1.6 | .6 | .6 | .3 | | | | | | | | 3.0 | 6.3 | 4.0 |
| 110-130 | 3.2 | 1.2 | .3 | .1 | | | | | | | | 4.9 | 4.4 | 3.5 |
| 140-160 | 5.3 | 4.9 | 2.2 | .1 | .1 | | | | | | | 12.7 | 5.9 | 5.0 |
| (S) 170-190 | 6.7 | 6.2 | 3.1 | .1 | .1 | | | | | | | 16.2 | 6.2 | 6.0 |
| 200-220 | 4.7 | 5.2 | 1.6 | .1 | .2 | .1 | | | | | | 11.9 | 6.1 | 5.0 |
| 230-250 | 4.8 | 3.2 | 1.9 | .1 | | | | | | | | 10.0 | 5.6 | 5.0 |
| (W) 260-280 | 2.9 | 3.7 | .3 | | .1 | | | | | | | 7.0 | 5.3 | 5.0 |
| 290-310 | 5.6 | 2.3 | .7 | | | | | | | | | 8.6 | 4.4 | 4.0 |
| 320-340 | 3.2 | 2.4 | .6 | | | | | | | | | 6.2 | 4.7 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 6.3 | //////// | |
| TOTALS | 44.0 | 33.7 | 14.0 | 1.3 | .5 | .1 | | | | | | 100.0 | 5.3 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.1 | .9 | .6 | .1 | | | | | | | | 3.7 | 5.6 | 4.0 |
| 020-040 | 2.9 | .8 | .2 | | | | | | | | | 3.9 | 3.7 | 4.0 |
| 050-070 | 3.7 | 1.8 | .3 | | | | | | | | | 5.8 | 4.4 | 4.0 |
| (E) 080-100 | 3.4 | .9 | .2 | | | | | | | | | 4.6 | 3.9 | 3.0 |
| 110-130 | 5.7 | 2.4 | .4 | .1 | | | | | | | | 8.7 | 4.1 | 4.0 |
| 140-160 | 8.0 | 6.2 | 1.8 | .1 | | | | | | | | 16.1 | 5.4 | 5.0 |
| (S) 170-190 | 6.4 | 7.1 | 1.8 | .1 | | | | | | | | 15.4 | 5.6 | 5.0 |
| 200-220 | 5.1 | 1.6 | .3 | .1 | | | | | | | | 7.1 | 4.0 | 3.0 |
| 230-250 | 3.1 | 2.1 | .2 | | | | | | | | | 5.4 | 3.9 | 4.0 |
| (W) 260-280 | 2.3 | .6 | .1 | | | | | | | | | 3.0 | 2.9 | 2.0 |
| 290-310 | 2.7 | 1.0 | .2 | .1 | | | | | | | | 4.0 | 4.1 | 3.0 |
| 320-340 | 2.9 | 1.6 | .1 | | | | | | | | | 4.6 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.8 | //////// | |
| TOTALS | 48.3 | 27.0 | 6.2 | .6 | | | | | | | | 100.0 | 3.8 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLoman AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.7 | 1.3 | .2 | | | | | | | | | 4.2 | 4.2 | 4.0 |
| 020-040 | 2.6 | .9 | | | | | | | | | | 3.4 | 3.5 | 3.0 |
| 050-070 | 5.2 | 1.0 | .3 | | | | | | | | | 6.6 | 3.7 | 3.0 |
| (E) 080-100 | 5.0 | .2 | | .1 | | | | | | | | 5.3 | 2.9 | 2.0 |
| 110-130 | 6.7 | 1.2 | .4 | .1 | .1 | | | | | | | 8.6 | 4.0 | 3.0 |
| 140-160 | 9.1 | 5.8 | 2.1 | .3 | | | | | | | | 17.3 | 5.2 | 4.0 |
| (S) 170-190 | 6.3 | 7.7 | 1.0 | | | | | | | | | 15.0 | 5.4 | 5.0 |
| 200-220 | 2.9 | 1.7 | .2 | .2 | | | | | | | | 5.0 | 4.8 | 3.0 |
| 230-250 | 1.4 | .7 | | .1 | | | | | | | | 2.2 | 4.0 | 2.5 |
| (W) 260-280 | 2.4 | .4 | | .1 | | | | | | | | 3.0 | 4.0 | 4.0 |
| 290-310 | 2.6 | 1.1 | .1 | .1 | | | | | | | | 3.9 | 4.3 | 4.0 |
| 320-340 | 4.6 | 1.9 | .3 | | | | | | | | | 6.8 | 4.2 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 18.7 | //// | //// |
| TOTALS | 51.5 | 23.9 | 4.6 | 1.0 | .1 | | | | | | | 100.0 | 3.6 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.7 | 1.7 | .2 | .1 | | | | | | | | 6.7 | 4.1 | 3.0 |
| 020-040 | 3.9 | .8 | .2 | .0 | | | | | | | | 4.8 | 3.5 | 3.0 |
| 050-070 | 3.6 | .8 | .4 | .0 | | | | | | | | 4.8 | 3.8 | 3.0 |
| (E) 080-100 | 3.3 | .5 | .1 | .1 | | | | | | | | 4.0 | 3.3 | 2.0 |
| 110-130 | 4.3 | 1.1 | .2 | .1 | .0 | | | | | | | 5.7 | 3.7 | 3.0 |
| 140-160 | 6.9 | 4.5 | 1.4 | .2 | .0 | | | | | | | 12.9 | 5.1 | 4.0 |
| (S) 170-190 | 6.5 | 5.7 | 1.4 | .1 | .0 | | | | | | | 13.6 | 5.2 | 5.0 |
| 200-220 | 5.0 | 2.5 | .5 | .1 | .1 | .0 | | | | | | 8.2 | 4.6 | 4.0 |
| 230-250 | 3.2 | 1.7 | .4 | .0 | | | | | | | | 5.3 | 4.5 | 4.0 |
| (W) 260-280 | 2.6 | 1.6 | .2 | .0 | .0 | | | | | | | 4.3 | 4.4 | 4.0 |
| 290-310 | 3.4 | 1.7 | .3 | .0 | | | | | | | | 5.4 | 4.1 | 4.0 |
| 320-340 | 4.3 | 1.8 | .2 | .0 | | | | | | | | 6.4 | 4.0 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 17.8 | //////// | |
| TOTALS | 51.7 | 24.4 | 5.5 | .7 | .1 | | | | | | | 100.0 | 3.6 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| WIND SPEED IN KNOTS | | | | | | | | | | | | | | |
|---------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
| DIRECTION | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL | MEAN | MEDIAN |
| (DEGREES) | | | | | | | | | | | | % | WIND | WIND |
| (N) 350-010 | 3.2 | 9.7 | | | | | | | | | | 12.9 | 5.8 | 5.5 |
| 020-040 | | 6.5 | | | | | | | | | | 6.5 | 5.5 | 5.5 |
| 050-070 | | | 3.2 | | | | | | | | | 3.2 | 10.0 | 10.0 |
| (E) 080-100 | | | | | | | | | | | | | | |
| 110-130 | | | | | | | | | | | | | | |
| 140-160 | 3.2 | | 3.2 | | | | | | | | | 6.5 | 7.0 | 7.0 |
| (S) 170-190 | | 3.2 | 6.5 | | | | | | | | | 9.7 | 10.0 | 10.0 |
| 200-220 | 3.2 | 3.2 | | | | | | | | | | 6.5 | 3.5 | 3.5 |
| 230-250 | | 3.2 | | | | | | | | | | 3.2 | 7.0 | 7.0 |
| (W) 260-280 | | 3.2 | | | | | | | | | | 3.2 | 5.0 | 5.0 |
| 290-310 | | 6.5 | | | | | | | | | | 6.5 | 7.0 | 7.0 |
| 320-340 | 6.5 | | | | | | | | | | | 6.5 | 4.0 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 35.5 | //////// | |
| TOTALS | 16.1 | 35.5 | 12.9 | | | | | | | | | 100.0 | 4.2 | 6.0 |

TOTAL NUMBER OF OBSERVATIONS 31

C - 4 - 90

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 8.1 | 2.7 | .9 | | | | | | | | | 11.6 | 4.2 | 3.0 |
| 020-040 | 8.9 | 1.0 | .2 | | | | | | | | | 10.1 | 3.1 | 3.0 |
| 050-070 | 7.4 | .2 | .1 | | | | | | | | | 7.7 | 2.8 | 2.5 |
| (E) 080-100 | 4.4 | .2 | .1 | | | | | | | | | 4.7 | 2.7 | 2.0 |
| 110-130 | 6.5 | 1.5 | .1 | | | | | | | | | 8.1 | 3.0 | 2.0 |
| 140-160 | 8.1 | 3.3 | .8 | | | | | | | | | 12.2 | 4.4 | 4.0 |
| (S) 170-190 | 2.9 | 2.8 | .3 | | | | | | | | | 6.0 | 5.1 | 5.0 |
| 200-220 | 1.5 | .9 | .4 | .1 | | | | | | | | 2.9 | 5.6 | 4.0 |
| 230-250 | .6 | .3 | .3 | .2 | | | | | | | | 1.5 | 7.5 | 6.5 |
| (W) 260-280 | .9 | .1 | | | | | | | | | | 1.0 | 2.9 | 3.0 |
| 290-310 | 1.8 | .9 | | | | | | | | | | 2.7 | 3.8 | 3.0 |
| 320-340 | 4.2 | 1.0 | .2 | | | | | | | | | 5.4 | 3.7 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 26.1 | //////// | |
| TOTALS | 55.3 | 14.9 | 3.4 | .3 | | | | | | | | 100.0 | 2.8 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWAY AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 8.7 | 2.3 | .1 | | | | | | | | | 11.1 | 3.6 | 3.0 |
| 020-040 | 13.3 | 1.3 | .1 | .1 | | | | | | | | 14.8 | 2.8 | 2.0 |
| 050-070 | 9.4 | 1.0 | .1 | | | | | | | | | 10.4 | 2.9 | 2.0 |
| (E) 080-100 | 5.4 | .3 | | | | | | | | | | 5.7 | 2.6 | 2.0 |
| 110-130 | 4.6 | 1.2 | | | | | | | | | | 5.8 | 3.5 | 3.5 |
| 140-160 | 6.5 | 2.5 | .1 | | | | | | | | | 9.0 | 4.0 | 4.0 |
| (S) 170-190 | 2.7 | 1.4 | .3 | | | | | | | | | 4.4 | 4.6 | 4.0 |
| 200-220 | 1.5 | .8 | .2 | | | | | | | | | 2.5 | 4.5 | 3.0 |
| 230-250 | 1.2 | .1 | | | | | | | | | | 1.3 | 2.6 | 2.0 |
| (W) 260-280 | 1.2 | .1 | | | | | | | | | | 1.3 | 2.8 | 2.5 |
| 290-310 | 2.6 | .1 | | | | | | | | | | 2.7 | 2.8 | 3.0 |
| 320-340 | 4.3 | 1.0 | | | | | | | | | | 5.3 | 3.3 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.7 | //////// | |
| TOTALS | 61.4 | 12.1 | .9 | .1 | | | | | | | | 100.0 | 2.4 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 5.8 | 2.5 | .3 | | | | | | | | | 8.6 | 3.6 | 3.0 |
| 020-040 | 7.4 | .8 | .1 | | | | | | | | | 8.3 | 2.8 | 2.0 |
| 050-070 | 7.8 | .4 | | | | | | | | | | 8.3 | 2.3 | 2.0 |
| (E) 080-100 | 3.5 | .1 | | | | | | | | | | 3.7 | 2.5 | 2.0 |
| 110-130 | 4.2 | .9 | | | | | | | | | | 5.1 | 3.1 | 3.0 |
| 140-160 | 5.5 | 4.4 | | | | | | | | | | 9.9 | 4.2 | 4.0 |
| (S) 170-190 | 3.3 | 2.2 | .2 | | | | | | | | | 5.7 | 4.0 | 4.0 |
| 200-220 | 2.4 | .4 | .2 | .1 | | | | | | | | 3.1 | 4.0 | 2.0 |
| 230-250 | 1.2 | .3 | | | | | | | | | | 1.5 | 3.1 | 2.0 |
| (W) 260-280 | 2.6 | .1 | | | | | | | | | | 2.7 | 2.2 | 2.0 |
| 290-310 | 2.5 | .1 | | | | | | | | | | 2.6 | 2.5 | 2.0 |
| 320-340 | 4.7 | 1.3 | | | | | | | | | | 6.0 | 3.1 | 2.5 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 34.6 | //////////////////////////////// | |
| TOTALS | 50.9 | 13.5 | .8 | .1 | | | | | | | | 100.0 | 2.1 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.8 | 1.5 | 1.6 | .2 | | | | | | | | 5.2 | 7.0 | 6.0 |
| 020-040 | .9 | .5 | | | | | | | | | | 1.4 | 4.2 | 3.0 |
| 050-070 | .6 | .1 | | | | | | | | | | .8 | 2.7 | 2.0 |
| (E) 080-100 | 1.3 | .1 | | | | | | | | | | 1.4 | 2.4 | 2.0 |
| 110-130 | 1.8 | .5 | .5 | | | | | | | | | 2.9 | 5.1 | 4.0 |
| 140-160 | 6.5 | 4.5 | 1.0 | .1 | | | | | | | | 12.0 | 5.0 | 4.0 |
| (S) 170-190 | 13.0 | 7.7 | 1.9 | .1 | | | | | | | | 22.8 | 4.7 | 4.0 |
| 200-220 | 8.7 | 4.1 | 1.0 | | | | | | | | | 13.8 | 4.2 | 4.0 |
| 230-250 | 4.6 | 2.4 | .4 | | | | | | | | | 7.4 | 4.2 | 3.0 |
| (W) 260-280 | 3.4 | 1.1 | .3 | | .1 | | | | | | | 4.9 | 4.2 | 3.0 |
| 290-310 | 5.2 | 1.5 | | | | | | | | | | 6.7 | 3.6 | 4.0 |
| 320-340 | 3.8 | 1.4 | .4 | | | | | | | | | 5.6 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 15.2 | //////// | |
| TOTALS | 51.6 | 25.4 | 7.1 | .4 | .1 | | | | | | | 100.0 | 3.9 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 1.9 | 1.5 | .4 | | | | | | | | | 3.9 | 5.2 | 4.5 |
| 020-040 | .8 | .2 | .1 | .1 | | | | | | | | 1.2 | 5.5 | 4.0 |
| 050-070 | .8 | .3 | | | | | | | | | | 1.1 | 3.8 | 3.0 |
| (E) 080-100 | .4 | .4 | | | | | | | | | | .9 | 4.1 | 4.0 |
| 110-130 | 2.4 | .5 | .3 | | | | | | | | | 3.2 | 3.9 | 3.0 |
| 140-160 | 4.0 | 2.9 | 1.9 | .3 | | | | | | | | 9.1 | 6.3 | 5.0 |
| (S) 170-190 | 8.9 | 7.1 | 3.5 | .2 | | | | | | | | 19.8 | 5.8 | 5.0 |
| 200-220 | 8.7 | 5.4 | 1.9 | .5 | .1 | | | | | | | 16.7 | 5.5 | 4.0 |
| 230-250 | 5.3 | 3.7 | 2.2 | .2 | | | | | | | | 11.3 | 5.9 | 5.0 |
| (W) 260-280 | 5.1 | 3.2 | .4 | .1 | | | | | | | | 8.8 | 4.6 | 4.0 |
| 290-310 | 5.9 | 3.8 | .2 | | | | | | | | | 9.9 | 4.3 | 4.0 |
| 320-340 | 3.4 | 2.4 | .6 | | | | | | | | | 6.5 | 4.9 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 7.7 | //////// | |
| TOTALS | 47.6 | 31.4 | 11.5 | 1.4 | .1 | | | | | | | 100.0 | 4.9 | 4.0 |
| TOTAL NUMBER OF OBSERVATIONS 930 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | | | | |
| (N) 350-010 | 1.8 | 2.3 | .1 | .1 | .1 | | | | | | | 4.4 | 5.4 | 5.0 |
| 020-040 | 1.5 | .4 | .1 | .1 | | | | | | | | 2.2 | 3.9 | 3.0 |
| 050-070 | .4 | .3 | .2 | | | | | | | | | 1.0 | 5.9 | 6.0 |
| (E) 080-100 | .5 | .5 | .2 | | | | | | | | | 1.3 | 6.0 | 7.5 |
| 110-130 | 2.8 | 1.0 | .1 | .2 | | | | | | | | 4.1 | 4.3 | 3.0 |
| 140-160 | 5.9 | 5.5 | 1.0 | .3 | | | | | | | | 12.7 | 5.2 | 5.0 |
| (S) 170-190 | 5.8 | 6.0 | 3.2 | .1 | .4 | | | | | | | 15.6 | 6.7 | 6.0 |
| 200-220 | 5.4 | 4.4 | 1.5 | .4 | .1 | | | | | | | 11.8 | 6.0 | 5.0 |
| 230-250 | 4.6 | 4.1 | 1.7 | .5 | .1 | | | | | | | 11.1 | 6.5 | 6.0 |
| (W) 260-280 | 5.4 | 1.4 | .6 | | | | | | | | | 7.4 | 4.1 | 3.0 |
| 290-310 | 5.5 | 2.9 | .1 | | | | | | | | | 8.5 | 3.9 | 4.0 |
| 320-340 | 4.5 | 2.2 | .2 | | | | | | | | | 6.9 | 3.9 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 13.0 | //////////////////////////////// | |
| TOTALS | 44.1 | 31.0 | 9.0 | 1.7 | .7 | | | | | | | 100.0 | 4.7 | 4.0 |
| TOTAL NUMBER OF OBSERVATIONS 929 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: OCT HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.0 | 1.2 | .3 | .3 | | | | | | | | 4.9 | 5.2 | 4.0 |
| 020-040 | 5.0 | .5 | .1 | | .1 | | | | | | | 5.7 | 3.5 | 3.0 |
| 050-070 | 5.9 | .8 | .1 | .2 | | | | | | | | 7.0 | 3.6 | 3.0 |
| (E) 080-100 | 9.4 | 1.1 | | | | | | | | | | 10.5 | 3.0 | 3.0 |
| 110-130 | 7.9 | 1.6 | .1 | | | | | | | | | 9.6 | 3.4 | 3.0 |
| 140-160 | 8.3 | 4.5 | .6 | | | | | | | | | 13.5 | 4.5 | 4.0 |
| (S) 170-190 | 6.4 | 5.0 | .5 | | .1 | | | | | | | 12.0 | 4.9 | 4.0 |
| 200-220 | 2.8 | 2.0 | .4 | .1 | .1 | | | | | | | 5.5 | 5.5 | 4.0 |
| 230-250 | 2.2 | .8 | .3 | .1 | .1 | | | | | | | 3.5 | 5.6 | 4.0 |
| (W) 260-280 | 2.7 | .3 | .2 | .1 | | | | | | | | 3.3 | 3.8 | 2.0 |
| 290-310 | 1.8 | .5 | | | | | | | | | | 2.4 | 3.4 | 3.0 |
| 320-340 | 1.5 | .2 | .4 | .1 | | | | | | | | 2.3 | 5.0 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 20.0 | //////////////////////////////// | |
| TOTALS | 56.9 | 18.5 | 3.0 | .9 | .4 | | | | | | | 100.0 | 3.4 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.7 | 2.7 | .6 | | | | | | | | | 7.0 | 5.0 | 4.0 |
| 020-040 | 6.4 | .9 | .1 | | | | | | | | | 7.3 | 3.1 | 3.0 |
| 050-070 | 7.4 | .6 | | .1 | | | | | | | | 8.2 | 3.0 | 2.0 |
| (E) 080-100 | 6.4 | .8 | .1 | | | | | | | | | 7.2 | 3.1 | 3.0 |
| 110-130 | 7.0 | 1.7 | .1 | | | | | | | | | 8.8 | 3.2 | 3.0 |
| 140-160 | 11.9 | 5.2 | .2 | | | | | | | | | 17.3 | 3.9 | 4.0 |
| (S) 170-190 | 5.2 | 3.8 | .6 | | | | | | | | | 9.6 | 4.9 | 4.0 |
| 200-220 | 1.5 | 1.5 | .5 | | | | | | | | | 3.6 | 5.8 | 6.0 |
| 230-250 | 1.0 | .9 | | | | | | | | | | 1.8 | 3.8 | 3.0 |
| (W) 260-280 | 1.2 | .6 | | | | | | | | | | 1.8 | 4.0 | 3.0 |
| 290-310 | .9 | 1.0 | .1 | | | | | | | | | 1.9 | 4.8 | 5.0 |
| 320-340 | 2.6 | 1.2 | .2 | | | | | | | | | 4.0 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 21.4 | //////// | |
| TOTALS | 55.2 | 20.9 | 2.5 | .1 | | | | | | | | 100.0 | 3.1 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.4 | 2.1 | .6 | .1 | .0 | | | | | | | 7.1 | 4.6 | 4.0 |
| 020-040 | 5.5 | .7 | .1 | .0 | .0 | | | | | | | 6.4 | 3.1 | 3.0 |
| 050-070 | 5.0 | .5 | .1 | .0 | | | | | | | | 5.6 | 3.0 | 2.0 |
| (E) 080-100 | 3.9 | .4 | .1 | | | | | | | | | 4.4 | 3.0 | 2.0 |
| 110-130 | 4.6 | 1.1 | .2 | .0 | | | | | | | | 5.9 | 3.5 | 3.0 |
| 140-160 | 7.1 | 4.1 | .7 | .1 | | | | | | | | 12.0 | 4.6 | 4.0 |
| (S) 170-190 | 6.0 | 4.5 | 1.3 | .1 | .1 | | | | | | | 12.0 | 5.3 | 4.0 |
| 200-220 | 4.1 | 2.4 | .8 | .2 | .0 | | | | | | | 7.5 | 5.2 | 4.0 |
| 230-250 | 2.6 | 1.6 | .6 | .1 | .0 | | | | | | | 4.9 | 5.5 | 4.0 |
| (W) 260-280 | 2.8 | .9 | .2 | .0 | .0 | | | | | | | 3.9 | 4.0 | 3.0 |
| 290-310 | 3.3 | 1.3 | .1 | | | | | | | | | 4.7 | 3.8 | 4.0 |
| 320-340 | 3.6 | 1.3 | .3 | .0 | | | | | | | | 5.2 | 4.0 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.5 | //////// | |
| TOTALS | 52.9 | 20.9 | 5.1 | .6 | .1 | | | | | | | 100.0 | 3.4 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7433

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLoman AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.8 | 11.3 | 1.9 | 1.9 | | | | | | | | 18.9 | 7.7 | 7.0 |
| 020-040 | | 3.8 | | | | | | | | | | 3.8 | 6.5 | 6.5 |
| 050-070 | 1.9 | | | | | | | | | | | 1.9 | 2.0 | 2.0 |
| (E) 080-100 | 3.8 | | | | | | | | | | | 3.8 | 2.0 | 2.0 |
| 110-130 | 1.9 | | 1.9 | | | | | | | | | 3.8 | 7.0 | 7.0 |
| 140-160 | 3.8 | 1.9 | 5.7 | | | | | | | | | 11.3 | 7.0 | 7.5 |
| (S) 170-190 | 3.8 | | | | | | | | | | | 3.8 | 1.5 | 1.5 |
| 200-220 | 5.7 | 1.9 | | | | | | | | | | 7.5 | 4.3 | 3.5 |
| 230-250 | 3.8 | | 1.9 | | | | | | | | | 5.7 | 6.3 | 4.0 |
| (W) 260-280 | 7.5 | | | | | | | | | | | 7.5 | 3.5 | 3.5 |
| 290-310 | 1.9 | 1.9 | | | | | | | | | | 3.8 | 4.5 | 4.5 |
| 320-340 | 7.5 | 5.7 | | | | | | | | | | 13.2 | 4.3 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 15.1 | //////////////////////////////// | |
| TOTALS | 45.4 | 26.5 | 11.4 | 1.9 | | | | | | | | 100.0 | 4.6 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 53

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 12.4 | 2.4 | | .1 | | .1 | | | | | | 15.1 | 3.5 | 3.0 |
| 020-040 | 9.4 | 1.4 | | | .1 | | | | | | | 11.0 | 3.1 | 3.0 |
| 050-070 | 6.8 | .4 | | | | | | | | | | 7.2 | 2.7 | 3.0 |
| (E) 080-100 | 4.7 | .4 | | | | | | | | | | 5.1 | 2.7 | 2.5 |
| 110-130 | 6.1 | 1.6 | .2 | | | | | | | | | 7.9 | 3.4 | 3.0 |
| 140-160 | 8.0 | 3.9 | .9 | | | | | | | | | 12.8 | 4.4 | 4.0 |
| (S) 170-190 | 2.4 | 1.6 | .6 | | | | | | | | | 4.6 | 5.0 | 4.0 |
| 200-220 | 1.4 | .9 | .4 | .1 | | | | | | | | 2.9 | 6.0 | 5.0 |
| 230-250 | .7 | 1.1 | .8 | | | | | | | | | 2.6 | 7.4 | 8.0 |
| (W) 260-280 | .6 | .6 | .4 | .2 | | | | | | | | 1.8 | 7.4 | 6.5 |
| 290-310 | 2.1 | .4 | .1 | | | | | | | | | 2.7 | 3.7 | 3.0 |
| 320-340 | 2.9 | .2 | .3 | | | | | | | | | 3.4 | 3.4 | 2.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 23.0 | //////// | |
| TOTALS | 57.5 | 14.9 | 3.7 | .4 | .1 | .1 | | | | | | 100.0 | 3.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL & | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 8.8 | 3.8 | .4 | | | | | | | | | 13.0 | 3.9 | 3.0 |
| 020-040 | 9.9 | .9 | | | | | | | | | | 10.8 | 2.8 | 3.0 |
| 050-070 | 8.0 | .3 | | | | | | | | | | 8.3 | 2.6 | 2.0 |
| (E) 080-100 | 6.2 | .2 | | | | | | | | | | 6.4 | 2.3 | 2.0 |
| 110-130 | 5.2 | 1.7 | .2 | | | | | | | | | 7.1 | 3.7 | 3.0 |
| 140-160 | 6.3 | 4.8 | .6 | | | | | | | | | 11.7 | 4.6 | 4.0 |
| (S) 170-190 | 2.6 | 1.4 | .1 | | | | | | | | | 4.1 | 4.3 | 4.0 |
| 200-220 | 1.3 | .7 | .3 | | | | | | | | | 2.3 | 5.0 | 4.0 |
| 230-250 | 1.0 | .7 | .3 | .1 | | | | | | | | 2.1 | 5.8 | 5.0 |
| (W) 260-280 | 1.1 | .6 | | | | | | | | | | 1.7 | 3.9 | 3.0 |
| 290-310 | 1.4 | .4 | | .1 | | | | | | | | 2.0 | 4.0 | 2.5 |
| 320-340 | 3.1 | 1.3 | .3 | .1 | | | | | | | | 4.9 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 25.6 | //////// | |
| TOTALS | 54.9 | 16.8 | 2.2 | .3 | | | | | | | | 100.0 | 2.8 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: NOV HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (W) 350-010 | 7.1 | 2.1 | .4 | | | | | | | | | 9.7 | 4.0 | 3.0 |
| 020-040 | 5.0 | 1.2 | | | | | | | | | | 6.2 | 3.1 | 3.0 |
| 050-070 | 8.0 | | | | | | | | | | | 8.0 | 2.2 | 2.0 |
| (E) 080-100 | 7.0 | .2 | | | | | | | | | | 7.2 | 2.3 | 2.0 |
| 110-130 | 7.2 | 2.0 | .2 | .1 | | | | | | | | 9.6 | 3.6 | 3.0 |
| 140-160 | 5.7 | 5.3 | .4 | .1 | | | | | | | | 11.6 | 4.8 | 5.0 |
| (S) 170-190 | 2.8 | 1.6 | .2 | | | | | | | | | 4.6 | 4.4 | 4.0 |
| 200-220 | 1.7 | .3 | .6 | | | | | | | | | 2.6 | 4.4 | 2.0 |
| 230-250 | .6 | .2 | .3 | | | | | | | | | 1.1 | 6.3 | 4.0 |
| (W) 260-280 | 1.4 | .3 | .1 | | | | | | | | | 1.9 | 4.1 | 3.0 |
| 290-310 | 2.1 | .3 | .1 | | | | | | | | | 2.6 | 2.9 | 2.0 |
| 320-340 | 2.7 | 1.1 | .6 | | | | | | | | | 4.3 | 4.8 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 30.8 | //////// | |
| TOTALS | 51.3 | 14.6 | 2.9 | .2 | | | | | | | | 100.0 | 2.6 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 09-11

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 2.0 | 4.4 | 2.8 | .7 | .1 | | | | | | | 10.0 | 8.2 | 8.0 |
| 020-040 | 1.1 | .8 | .2 | | | | | | | | | 2.1 | 5.1 | 4.0 |
| 050-070 | .3 | .1 | .1 | | | | | | | | | .6 | 5.0 | 3.0 |
| (E) 080-100 | 1.4 | .1 | | | | | | | | | | 1.6 | 2.3 | 2.0 |
| 110-130 | 4.0 | 1.0 | .2 | | | | | | | | | 5.2 | 3.5 | 2.0 |
| 140-160 | 7.3 | 6.7 | 2.2 | .8 | .1 | | | | | | | 17.1 | 6.0 | 5.0 |
| (S) 170-190 | 11.2 | 6.2 | .8 | | .1 | | | | | | | 18.3 | 4.3 | 4.0 |
| 200-220 | 6.1 | 1.8 | 1.1 | .2 | | | | | | | | 9.2 | 4.4 | 3.0 |
| 230-250 | 3.3 | 2.0 | 1.1 | .1 | | | | | | | | 6.6 | 5.4 | 4.0 |
| (W) 260-280 | 3.1 | 1.0 | .8 | | | .1 | | | | | | 5.0 | 5.1 | 4.0 |
| 290-310 | 2.4 | 1.1 | .1 | | | | | | | | | 3.7 | 4.1 | 4.0 |
| 320-340 | 2.7 | 1.0 | 1.2 | .2 | | | | | | | | 5.1 | 6.1 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 15.6 | //////// | |
| TOTALS | 44.9 | 26.2 | 10.6 | 2.0 | .3 | .1 | | | | | | 100.0 | 4.5 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 12-14

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.1 | 3.7 | 1.3 | .2 | | | | | | | | 8.3 | 6.1 | 6.0 |
| 020-040 | .9 | .1 | .7 | .1 | | | | | | | | 1.8 | 6.8 | 4.5 |
| 050-070 | .2 | .4 | | | | | | | | | | .7 | 5.2 | 5.0 |
| (E) 080-100 | .9 | .1 | | | | | | | | | | 1.0 | 2.4 | 2.0 |
| 110-130 | 2.0 | .4 | | .1 | | | | | | | | 2.6 | 3.5 | 2.0 |
| 140-160 | 4.4 | 3.3 | 1.4 | .2 | | | | | | | | 9.4 | 5.7 | 5.0 |
| (S) 170-190 | 8.0 | 5.6 | 1.4 | .7 | .2 | .1 | | | | | | 16.0 | 5.8 | 4.5 |
| 200-220 | 6.4 | 4.6 | 3.0 | .6 | .3 | | | | | | | 14.9 | 6.6 | 6.0 |
| 230-250 | 4.2 | 3.0 | 1.9 | .3 | .2 | | | | | | | 9.7 | 6.6 | 5.0 |
| (W) 260-280 | 5.3 | 1.6 | .9 | | | | | | | | | 7.8 | 4.7 | 4.0 |
| 290-310 | 4.2 | 3.6 | .4 | .3 | .1 | | | | | | | 8.7 | 5.6 | 5.0 |
| 320-340 | 4.0 | 2.3 | 1.8 | .6 | | | | | | | | 8.7 | 6.6 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 10.6 | //////// | |
| TOTALS | 43.6 | 28.7 | 12.8 | 3.1 | .8 | .1 | | | | | | 100.0 | 5.3 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.0 | 3.4 | .2 | .1 | | | | | | | | 7.8 | 4.9 | 4.0 |
| 020-040 | .9 | .7 | .7 | .2 | | | | | | | | 2.4 | 7.5 | 7.5 |
| 050-070 | .7 | .3 | .2 | | | | | | | | | 1.2 | 5.2 | 3.0 |
| (E) 080-100 | 1.3 | .1 | | | | | | | | | | 1.4 | 2.7 | 3.0 |
| 110-130 | 3.3 | .8 | | | | | | | | | | 4.1 | 3.1 | 2.0 |
| 140-160 | 6.0 | 2.4 | .9 | .1 | | | | | | | | 9.4 | 4.6 | 4.0 |
| (S) 170-190 | 7.1 | 4.4 | 1.9 | .2 | | | | | | | | 13.7 | 5.7 | 4.0 |
| 200-220 | 6.3 | 3.1 | 2.4 | .2 | | | .1 | | | | | 12.2 | 5.8 | 4.0 |
| 230-250 | 4.2 | 2.2 | 2.0 | .4 | .2 | | | | | | | 9.1 | 6.4 | 5.0 |
| (W) 260-280 | 5.3 | 1.6 | .7 | .2 | .2 | | | | | | | 8.0 | 4.9 | 3.0 |
| 290-310 | 4.8 | 1.8 | .6 | .2 | | | | | | | | 7.3 | 4.4 | 3.0 |
| 320-340 | 3.6 | 2.7 | 1.0 | .2 | | | | | | | | 7.4 | 6.0 | 6.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 15.8 | //////// | |
| TOTALS | 47.5 | 23.5 | 10.6 | 1.8 | .4 | | .1 | | | | | 100.0 | 4.5 | 4.0 |
| TOTAL NUMBER OF OBSERVATIONS 900 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 5.1 | 1.6 | .7 | | | | | | | | | 7.3 | 4.2 | 3.0 |
| 020-040 | 6.0 | 1.1 | .1 | | | | | | | | | 7.2 | 3.1 | 3.0 |
| 050-070 | 9.2 | 1.3 | .1 | | | | | | | | | 10.7 | 3.2 | 3.0 |
| (E) 080-100 | 8.6 | .6 | .1 | | | | | | | | | 9.2 | 3.0 | 3.0 |
| 110-130 | 5.8 | 2.3 | .2 | | | | | | | | | 8.3 | 3.9 | 4.0 |
| 140-160 | 5.3 | 3.4 | .4 | .1 | | | | | | | | 9.3 | 4.7 | 4.0 |
| (S) 170-190 | 4.6 | 2.7 | .9 | .1 | | | | | | | | 8.2 | 5.0 | 4.0 |
| 200-220 | 1.9 | 1.7 | .7 | .3 | | .1 | | | | | | 4.7 | 7.1 | 5.5 |
| 230-250 | 1.0 | 1.7 | 1.0 | .1 | .2 | | | | | | | 4.0 | 7.8 | 7.0 |
| (W) 260-280 | 2.2 | .6 | .6 | | | | | | | | | 3.3 | 5.0 | 3.0 |
| 290-310 | 1.6 | .6 | .1 | | | | | | | | | 2.2 | 3.9 | 3.0 |
| 320-340 | 3.6 | 1.1 | .1 | | | | | | | | | 4.8 | 3.7 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.7 | //////// | |
| TOTALS | 54.9 | 18.7 | 5.0 | .6 | .2 | .1 | | | | | | 100.0 | 3.4 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.6 | 2.0 | .6 | .2 | | | | | | | | 9.3 | 4.1 | 3.0 |
| 020-040 | 7.3 | 1.1 | .3 | | | | | | | | | 8.8 | 3.3 | 3.0 |
| 050-070 | 9.1 | .6 | | | | | | | | | | 9.7 | 2.7 | 2.0 |
| (E) 080-100 | 5.3 | .4 | | | | | | | | | | 5.8 | 3.1 | 3.0 |
| 110-130 | 5.8 | 1.4 | .1 | .1 | | | | | | | | 7.4 | 3.5 | 3.0 |
| 140-160 | 8.0 | 4.0 | .6 | .1 | | | | | | | | 12.7 | 4.6 | 4.0 |
| (S) 170-190 | 3.4 | 2.9 | .2 | | | | | | | | | 6.6 | 4.7 | 4.0 |
| 200-220 | 1.6 | 1.1 | .4 | .1 | .1 | | | | | | | 3.3 | 6.3 | 5.5 |
| 230-250 | 1.6 | 1.0 | .6 | .2 | | | | | | | | 3.3 | 6.5 | 5.5 |
| (W) 260-280 | 1.6 | .4 | .4 | | | | | | | | | 2.4 | 5.3 | 3.5 |
| 290-310 | 1.4 | .9 | | | | | | | | | | 2.3 | 3.8 | 3.0 |
| 320-340 | 3.2 | .7 | .2 | | | | | | | | | 4.1 | 3.9 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 24.2 | //////// | |
| TOTALS | 54.9 | 16.5 | 3.4 | .7 | .1 | | | | | | | 100.0 | 3.1 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 6.1 | 2.9 | .8 | .2 | .0 | .0 | | | | | | 10.1 | 4.7 | 4.0 |
| 020-040 | 5.1 | .9 | .3 | .0 | .0 | | | | | | | 6.3 | 3.5 | 3.0 |
| 050-070 | 5.3 | .4 | .1 | | | | | | | | | 5.8 | 2.8 | 2.0 |
| (E) 080-100 | 4.4 | .3 | .0 | | | | | | | | | 4.7 | 2.7 | 2.5 |
| 110-130 | 4.9 | 1.4 | .2 | .0 | | | | | | | | 6.5 | 3.6 | 3.0 |
| 140-160 | 6.4 | 4.2 | .9 | .2 | .0 | | | | | | | 11.7 | 5.0 | 4.0 |
| (S) 170-190 | 5.3 | 3.3 | .8 | .1 | .0 | .0 | | | | | | 9.5 | 5.0 | 4.0 |
| 200-220 | 3.3 | 1.8 | 1.1 | .2 | .1 | .0 | .0 | | | | | 6.5 | 5.8 | 4.0 |
| 230-250 | 2.1 | 1.5 | 1.0 | .2 | .1 | | | | | | | 4.8 | 6.5 | 5.0 |
| (W) 260-280 | 2.6 | .8 | .5 | .1 | .0 | .0 | | | | | | 4.0 | 5.0 | 4.0 |
| 290-310 | 2.5 | 1.1 | .2 | .1 | .0 | | | | | | | 3.9 | 4.4 | 3.0 |
| 320-340 | 3.2 | 1.3 | .7 | .1 | | | | | | | | 5.3 | 5.1 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 20.8 | //////// | |
| TOTALS | 51.2 | 19.9 | 6.6 | 1.2 | .2 | | | | | | | 100.0 | 3.6 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).
AND/OR
VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN | MEDIAN |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 7.1 | 4.5 | | | | | | | | | | 11.6 | 3.9 | 4.0 |
| 020-040 | .9 | | | | .9 | | | | | | | 1.8 | 11.0 | 11.0 |
| 050-070 | 3.6 | .9 | | | | | | | | | | 4.5 | 3.2 | 3.0 |
| (E) 080-100 | 2.7 | | | | | | | | | | | 2.7 | 2.3 | 2.0 |
| 110-130 | 1.8 | | | | | | | | | | | 1.8 | 2.0 | 2.0 |
| 140-160 | 1.8 | .9 | | | | | | | | | | 2.7 | 4.3 | 3.0 |
| (S) 170-190 | 6.3 | | | | | | | | | | | 6.3 | 2.9 | 3.0 |
| 200-220 | 6.3 | .9 | | | | | | | | | | 7.1 | 2.1 | 1.0 |
| 230-250 | .9 | 5.4 | 1.8 | | | | | | | | | 8.0 | 7.6 | 9.0 |
| (W) 260-280 | 3.6 | 1.8 | | | | | | | | | | 5.4 | 4.0 | 3.0 |
| 290-310 | 7.1 | .9 | | .9 | | | | | | | | 8.9 | 4.2 | 3.0 |
| 320-340 | 15.2 | | | | | | | | | | | 15.2 | 3.0 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 24.1 | //////// | |
| TOTALS | 57.3 | 15.3 | 1.8 | .9 | .9 | | | | | | | 100.0 | 3.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 112

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 00-02

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 8.9 | 3.2 | .8 | | | | | | | | | 12.9 | 3.9 | 3.0 |
| 020-040 | 8.6 | 1.2 | | | | | | | | | | 9.8 | 2.8 | 2.0 |
| 050-070 | 6.0 | .3 | | | | | | | | | | 6.3 | 2.7 | 3.0 |
| (E) 080-100 | 6.3 | .4 | | | | | | | | | | 6.8 | 2.7 | 2.0 |
| 110-130 | 4.3 | 1.7 | .1 | | | | | | | | | 6.1 | 4.0 | 4.0 |
| 140-160 | 4.2 | 4.3 | .3 | .4 | | | | | | | | 9.2 | 5.2 | 5.0 |
| (S) 170-190 | 3.0 | 1.2 | .3 | .1 | | | | | | | | 4.5 | 5.1 | 4.0 |
| 200-220 | 1.7 | .5 | .3 | | | | | | | | | 2.6 | 4.3 | 3.5 |
| 230-250 | 1.5 | .3 | .3 | | | | | | | | | 2.2 | 4.6 | 4.0 |
| (W) 260-280 | 1.1 | .3 | .2 | | | | | | | | | 1.6 | 4.5 | 3.0 |
| 290-310 | 2.7 | .3 | | | | | | | | | | 3.0 | 3.1 | 3.0 |
| 320-340 | 2.8 | 1.1 | .2 | | | | | | | | | 4.1 | 4.3 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 30.8 | //////// | |
| TOTALS | 51.1 | 14.8 | 2.5 | .5 | | | | | | | | 100.0 | 2.6 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 03-05

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|----------------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 9.5 | 3.1 | .3 | | | | | | | | | 12.9 | 3.7 | 3.0 |
| 020-040 | 7.3 | .9 | | | | | | | | | | 8.2 | 2.8 | 2.0 |
| 050-070 | 7.5 | .3 | | | | | | | | | | 7.8 | 2.5 | 2.0 |
| (E) 080-100 | 5.4 | .1 | | | | | | | | | | 5.5 | 2.5 | 2.0 |
| 110-130 | 4.7 | 1.3 | | | | | | | | | | 6.0 | 3.5 | 3.0 |
| 140-160 | 5.3 | 3.5 | .4 | .2 | | | | | | | | 9.5 | 4.9 | 4.0 |
| (S) 170-190 | 2.2 | 1.7 | .5 | | | | | | | | | 4.4 | 4.8 | 5.0 |
| 200-220 | 1.2 | 1.1 | | | | | | | | | | 2.3 | 4.2 | 4.0 |
| 230-250 | .8 | .5 | .1 | .1 | | | | | | | | 1.5 | 5.3 | 4.5 |
| (W) 260-280 | 1.4 | .2 | .2 | .1 | | | | | | | | 1.9 | 4.4 | 2.5 |
| 290-310 | 1.4 | .4 | .1 | | | | | | | | | 1.9 | 3.5 | 2.0 |
| 320-340 | 4.2 | 2.0 | | | | | | | | | | 6.2 | 3.5 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 31.8 | //////////////////////////////// | |
| TOTALS | 50.9 | 15.1 | 1.6 | .4 | | | | | | | | 100.0 | 2.5 | 3.0 |
| TOTAL NUMBER OF OBSERVATIONS 930 | | | | | | | | | | | | | | |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 06-08

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 7.3 | 2.6 | .2 | | | | | | | | | 10.1 | 3.8 | 3.0 |
| 020-040 | 5.6 | .6 | .1 | | | | | | | | | 6.3 | 2.8 | 2.0 |
| 050-070 | 5.6 | .3 | | | | | | | | | | 5.9 | 2.7 | 2.0 |
| (E) 080-100 | 6.0 | .4 | | | | | | | | | | 6.5 | 2.4 | 2.0 |
| 110-130 | 5.1 | 1.8 | .1 | | | | | | | | | 7.0 | 3.6 | 3.0 |
| 140-160 | 4.7 | 4.1 | .9 | .1 | | | | | | | | 9.8 | 5.1 | 5.0 |
| (S) 170-190 | 2.5 | 1.2 | .5 | .1 | | | | | | | | 4.3 | 5.4 | 4.0 |
| 200-220 | 1.6 | 1.2 | .5 | .2 | | | | | | | | 3.5 | 6.5 | 5.0 |
| 230-250 | 1.0 | | .3 | | | | | | | | | 1.3 | 4.2 | 2.0 |
| (W) 260-280 | 1.2 | .2 | .2 | | | | | | | | | 1.6 | 4.3 | 4.0 |
| 290-310 | 2.9 | .6 | | | | | | | | | | 3.5 | 2.9 | 3.0 |
| 320-340 | 3.5 | .9 | .1 | | | | | | | | | 4.5 | 3.5 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 35.6 | //////// | |
| TOTALS | 47.0 | 13.9 | 2.9 | .4 | | | | | | | | 100.0 | 2.5 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 09-11

| WIND SPEED IN KNOTS | | | | | | | | | | | | | | |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION (DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | 3.0 | 3.4 | 2.3 | .6 | | | | | | | | 9.4 | 7.4 | 7.0 |
| 020-040 | 1.2 | .3 | | | | | | | | | | 1.5 | 3.1 | 3.0 |
| 050-070 | 1.5 | .1 | | | | | | | | | | 1.6 | 2.7 | 2.0 |
| (E) 080-100 | 2.3 | .2 | | | | | | | | | | 2.5 | 2.2 | 2.0 |
| 110-130 | 4.6 | 1.9 | .5 | | | | | | | | | 7.1 | 4.2 | 3.0 |
| 140-160 | 6.8 | 4.3 | 2.7 | .3 | | | | | | | | 14.1 | 5.8 | 5.0 |
| (S) 170-190 | 8.2 | 3.0 | .5 | .1 | | | | | | | | 11.8 | 4.0 | 3.0 |
| 200-220 | 3.7 | 1.5 | .8 | .3 | | | | | | | | 6.2 | 5.0 | 3.5 |
| 230-250 | 1.9 | 1.2 | .8 | .1 | | | | | | | | 4.0 | 5.8 | 5.0 |
| (W) 260-280 | 2.9 | .6 | .6 | | | | | | | | | 4.2 | 4.1 | 3.0 |
| 290-310 | 4.5 | .8 | .2 | | | | | | | | | 5.5 | 3.0 | 2.0 |
| 320-340 | 3.5 | 2.5 | 1.2 | .3 | | | | | | | | 7.5 | 5.9 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 24.6 | //////////////////////////////// | |
| TOTALS | 44.1 | 19.8 | 9.6 | 1.7 | | | | | | | | 100.0 | 3.8 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 12-14

| WIND SPEED IN KNOTS | | | | | | | | | | | | | | |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| DIRECTION (DEGREES) | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL % | MEAN WIND | MEDIAN WIND |
| (N) 350-010 | 2.4 | 2.4 | 2.5 | .2 | | | | | | | | 7.4 | 7.1 | 7.0 |
| 020-040 | .4 | | | .1 | | | | | | | | .5 | 4.6 | 2.0 |
| 050-070 | .3 | .1 | | | | | | | | | | .4 | 4.3 | 4.0 |
| (E) 080-100 | 1.0 | .1 | .1 | | | | | | | | | 1.2 | 3.5 | 3.0 |
| 110-130 | 1.5 | 1.1 | .1 | | | | | | | | | 2.7 | 4.7 | 4.0 |
| 140-160 | 4.6 | 3.0 | 1.8 | .1 | | | | | | | | 9.6 | 5.6 | 5.0 |
| (S) 170-190 | 8.4 | 4.6 | 1.7 | .3 | | | | | | | | 15.1 | 5.1 | 4.0 |
| 200-220 | 5.3 | 2.8 | 2.0 | .8 | | | | | | | | 10.9 | 6.2 | 5.0 |
| 230-250 | 3.2 | 1.6 | 1.0 | .5 | .2 | | | | | | | 6.6 | 6.6 | 5.0 |
| (W) 260-280 | 4.7 | 1.5 | .4 | .4 | | | | | | | | 7.1 | 4.8 | 4.0 |
| 290-310 | 6.0 | 5.5 | .4 | | | | | | | | | 11.9 | 4.6 | 4.0 |
| 320-340 | 4.3 | 4.4 | 1.4 | .3 | | | | | | | | 10.4 | 6.0 | 5.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 16.2 | //////////////////////////////// | |
| TOTALS | 42.1 | 27.1 | 11.4 | 2.7 | .2 | | | | | | | 100.0 | 4.7 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 15-17

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 3.1 | 1.4 | 1.5 | | | | | | | | | 6.0 | 5.7 | 4.0 |
| 020-040 | .5 | .3 | .3 | | | | | | | | | 1.2 | 5.3 | 5.0 |
| 050-070 | 1.0 | | | | | | | | | | | 1.0 | 2.4 | 2.0 |
| (E) 080-100 | 1.2 | .4 | | | | | | | | | | 1.6 | 4.4 | 4.0 |
| 110-130 | 1.8 | 1.9 | .2 | | | | | | | | | 4.0 | 4.7 | 5.0 |
| 140-160 | 5.7 | 3.2 | 1.2 | .2 | | | | | | | | 10.3 | 5.3 | 4.0 |
| (S) 170-190 | 4.3 | 3.2 | 1.3 | .1 | | | | | | | | 8.9 | 5.6 | 5.0 |
| 200-220 | 3.8 | 1.5 | 1.5 | .3 | | | | | | | | 7.1 | 5.9 | 4.0 |
| 230-250 | 3.4 | 1.3 | 1.6 | 1.0 | .5 | | | | | | | 7.8 | 8.1 | 6.0 |
| (W) 260-280 | 5.3 | 2.2 | .1 | .1 | | | | | | | | 7.6 | 3.7 | 3.0 |
| 290-310 | 7.7 | 4.4 | .2 | | .1 | | | | | | | 12.5 | 4.2 | 4.0 |
| 320-340 | 6.1 | 2.9 | .5 | | | | | | | | | 9.6 | 4.4 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 22.4 | //////// | |
| TOTALS | 43.9 | 22.7 | 8.4 | 1.7 | .6 | | | | | | | 100.0 | 4.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 18-20

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 9.7 | 2.4 | .5 | | | | | | | | | 12.6 | 3.8 | 3.0 |
| 020-040 | 10.4 | 1.3 | .1 | | | | | | | | | 11.8 | 3.3 | 3.0 |
| 050-070 | 7.6 | .8 | .1 | | | | | | | | | 8.5 | 3.1 | 3.0 |
| (E) 080-100 | 3.9 | .2 | .2 | | | | | | | | | 4.3 | 3.4 | 3.0 |
| 110-130 | 3.9 | 1.4 | | | | | | | | | | 5.3 | 3.5 | 3.0 |
| 140-160 | 4.8 | 4.4 | .8 | | | | | | | | | 10.0 | 4.9 | 5.0 |
| (S) 170-190 | 3.1 | 1.3 | 1.0 | | | | | | | | | 5.4 | 5.3 | 4.0 |
| 200-220 | 2.4 | 1.6 | .6 | .2 | | | | | | | | 4.8 | 5.8 | 5.0 |
| 230-250 | 1.6 | 1.4 | .4 | | | | | | | | | 3.4 | 5.8 | 5.0 |
| (W) 260-280 | 1.7 | .5 | | | | | | | | | | 2.3 | 3.4 | 3.0 |
| 290-310 | 3.9 | .5 | | | | | | | | | | 4.4 | 2.9 | 3.0 |
| 320-340 | 4.6 | 1.0 | .1 | | | | | | | | | 5.7 | 3.5 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 21.5 | //////// | |
| TOTALS | 57.6 | 16.8 | 3.8 | .2 | | | | | | | | 100.0 | 3.1 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 21-23

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 7.2 | 3.3 | .3 | | | | | | | | | 10.9 | 4.1 | 4.0 |
| 020-040 | 9.9 | 1.9 | | | | | | | | | | 11.8 | 3.2 | 3.0 |
| 050-070 | 8.9 | .2 | | | | | | | | | | 9.1 | 2.5 | 2.0 |
| (E) 080-100 | 5.8 | .5 | | | | | | | | | | 6.3 | 2.7 | 2.0 |
| 110-130 | 4.6 | 1.4 | | | | | | | | | | 6.0 | 3.2 | 3.0 |
| 140-160 | 6.0 | 4.7 | .1 | | | | | | | | | 10.9 | 4.3 | 4.0 |
| (S) 170-190 | 2.5 | 1.7 | 1.0 | | | | | | | | | 5.2 | 5.9 | 5.0 |
| 200-220 | 1.4 | 1.3 | .5 | | | | | | | | | 3.2 | 5.5 | 5.0 |
| 230-250 | 1.9 | .5 | .2 | .2 | | | | | | | | 2.9 | 4.9 | 4.0 |
| (W) 260-280 | 1.6 | .4 | .4 | | | | | | | | | 2.5 | 4.7 | 3.0 |
| 290-310 | 1.9 | 1.1 | | | | | | | | | | 3.0 | 3.8 | 4.0 |
| 320-340 | 3.8 | 1.0 | .1 | | | | | | | | | 4.8 | 3.6 | 3.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 23.3 | //////// | |
| TOTALS | 55.5 | 18.0 | 2.6 | .2 | | | | | | | | 100.0 | 2.9 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: ALL

| WIND SPEED IN KNOTS | | | | | | | | | | | | |
|---------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| DIRECTION | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | TOTAL |
| (DEGREES) | | | | | | | | | | | | % |
| | | | | | | | | | | | | WIND |
| | | | | | | | | | | | | WIND |
| (N) 350-010 | 6.4 | 2.7 | 1.0 | .1 | | | | | | | | 10.3 |
| 020-040 | 5.5 | .8 | .1 | .0 | | | | | | | | 6.4 |
| 050-070 | 4.8 | .3 | .0 | | | | | | | | | 5.1 |
| (E) 080-100 | 4.0 | .3 | .0 | | | | | | | | | 4.3 |
| 110-130 | 3.8 | 1.6 | .1 | | | | | | | | | 5.5 |
| 140-160 | 5.3 | 4.0 | 1.0 | .2 | | | | | | | | 10.4 |
| (S) 170-190 | 4.3 | 2.2 | .9 | .1 | | | | | | | | 7.5 |
| 200-220 | 2.6 | 1.4 | .8 | .2 | | | | | | | | 5.1 |
| 230-250 | 1.9 | .9 | .6 | .2 | .1 | | | | | | | 3.7 |
| (W) 260-280 | 2.5 | .8 | .3 | .1 | | | | | | | | 3.6 |
| 290-310 | 3.9 | 1.7 | .1 | | .0 | | | | | | | 5.7 |
| 320-340 | 4.1 | 2.0 | .5 | .1 | | | | | | | | 6.6 |
| VARIABLE | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 25.8 |
| TOTALS | 49.1 | 18.7 | 5.4 | 1.0 | .1 | | | | | | | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|--------------------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|----------------------------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.6 | 2.1 | | | | | | | | | | 6.6 | 3.6 | 4.0 |
| 020-040 | 2.9 | .8 | | | | | | | | | | 3.7 | 3.8 | 4.0 |
| 050-070 | 1.7 | | | | | | | | | | | 1.7 | 3.3 | 3.5 |
| (E) 080-100 | 2.1 | 1.2 | .8 | | | | | | | | | 4.1 | 5.5 | 5.0 |
| 110-130 | 2.5 | 2.9 | .4 | | | | | | | | | 5.8 | 5.7 | 5.5 |
| 140-160 | 2.5 | 1.7 | | | | | | | | | | 4.1 | 4.5 | 4.0 |
| (S) 170-190 | 3.7 | .4 | .4 | | | | | | | | | 4.6 | 3.4 | 2.0 |
| 200-220 | 5.0 | .8 | .8 | | | | | | | | | 6.6 | 4.4 | 3.0 |
| 230-250 | 3.3 | .4 | | .4 | .8 | | | | | | | 5.0 | 7.0 | 2.5 |
| (W) 260-280 | 4.6 | 1.2 | .8 | .4 | | | | | | | | 7.1 | 4.6 | 4.0 |
| 290-310 | 6.6 | 3.3 | | | .4 | | | | | | | 10.4 | 4.5 | 3.0 |
| 320-340 | 6.6 | 3.3 | | | | | | | | | | 10.0 | 4.0 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////////////////////// | | | | | | | | | | | 30.3 | //////////////////////////////// | |
| TOTALS | 46.1 | 18.1 | 3.2 | .8 | 1.2 | | | | | | | 100.0 | 3.2 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 241

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: ALL HOURS: ALL

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL | MEAN | MEDIAN |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|--------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.8 | 2.3 | .8 | .1 | .0 | .0 | .0 | | | | | 8.0 | 4.9 | 4.0 |
| 020-040 | 4.3 | .9 | .2 | .0 | .0 | .0 | | | | | | 5.4 | 3.6 | 3.0 |
| 050-070 | 3.8 | .5 | .2 | .0 | .0 | .0 | | | | | | 4.5 | 3.4 | 3.0 |
| (E) 080-100 | 3.3 | .5 | .1 | .0 | .0 | .0 | | | | | | 4.0 | 3.3 | 3.0 |
| 110-130 | 4.1 | 1.4 | .2 | .0 | .0 | .0 | | | | | | 5.8 | 3.9 | 3.0 |
| 140-160 | 6.1 | 4.5 | 1.2 | .2 | .0 | .0 | | | | | | 11.9 | 5.2 | 4.0 |
| (S) 170-190 | 5.4 | 4.4 | 1.4 | .2 | .0 | .0 | | | | | | 11.4 | 5.5 | 5.0 |
| 200-220 | 3.8 | 2.7 | 1.1 | .3 | .1 | .0 | .0 | .0 | | | | 8.0 | 5.9 | 5.0 |
| 230-250 | 2.9 | 2.2 | 1.2 | .4 | .1 | .0 | .0 | | | | | 6.9 | 6.8 | 6.0 |
| (W) 260-280 | 2.6 | 1.7 | .6 | .1 | .1 | .0 | .0 | .0 | | | | 5.2 | 5.5 | 4.0 |
| 290-310 | 3.1 | 1.7 | .3 | .0 | .0 | | .0 | | | | | 5.1 | 4.5 | 4.0 |
| 320-340 | 3.3 | 1.8 | .5 | .1 | .0 | .0 | | | | | | 5.8 | 4.9 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 18.0 | //////// | |
| TOTALS | 47.5 | 24.6 | 7.8 | 1.4 | .3 | | | | | | | 100.0 | 4.1 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS: 87641

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE SURFACE WIND DIRECTION VERSUS WIND SPEED
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: ALL HOURS: ALL

CATEGORY A: CEILING GE 200 BUT LESS THAN 1500 FEET WITH VISIBILITY GE 1/2 MILE (0800 METERS).

AND/OR

VISIBILITY GE 1/2 MILE (0800 METERS) BUT LESS THAN 3 MILES (4800 METERS) WITH CEILING GE 200 FEET.

| DIRECTION (DEGREES) | WIND SPEED IN KNOTS | | | | | | | | | | | TOTAL % | MEAN WIND | MEDIAN WIND |
|------------------------|----------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------|--------------|----------------|
| | 1-4 | 5-9 | 10-14 | 15-19 | 20-24 | 25-29 | 30-34 | 35-39 | 40-49 | 50-64 | GE 65 | | | |
| (N) 350-010 | 4.2 | 3.3 | .3 | .2 | .2 | | | | | | | 8.3 | 5.5 | 4.0 |
| 020-040 | 1.5 | 1.0 | .1 | | .1 | .1 | | | | | | 2.9 | 5.8 | 4.0 |
| 050-070 | 1.5 | .2 | .2 | | | | | | | | | 2.0 | 4.2 | 4.0 |
| (E) 080-100 | 1.7 | .7 | .2 | | | | | | | | | 2.5 | 4.1 | 3.0 |
| 110-130 | 1.7 | 1.2 | .4 | | | | | | | | | 3.3 | 5.3 | 4.5 |
| 140-160 | 2.9 | 1.4 | .6 | | .1 | .1 | | | | | | 5.1 | 5.7 | 4.0 |
| (S) 170-190 | 3.7 | 1.3 | .6 | | | | | | | | | 5.6 | 4.3 | 3.0 |
| 200-220 | 5.5 | 1.4 | .4 | | .2 | | | .1 | | | | 7.7 | 4.9 | 3.0 |
| 230-250 | 3.5 | 2.5 | 1.7 | 1.8 | 2.2 | 1.7 | .6 | | | | | 13.9 | 13.3 | 12.0 |
| (W) 260-280 | 3.2 | 1.7 | .8 | 1.0 | 1.2 | | .3 | .1 | | | | 8.3 | 10.0 | 7.0 |
| 290-310 | 4.4 | 3.1 | .6 | .2 | .4 | | | | | | | 8.7 | 5.8 | 4.0 |
| 320-340 | 6.8 | 2.0 | .3 | .2 | | .3 | | | | | | 9.7 | 5.0 | 4.0 |
| VARIABLE | | | | | | | | | | | | | | |
| CALM | //////////////////// | | | | | | | | | | | 22.2 | //////// | |
| TOTALS | 40.6 | 19.8 | 6.2 | 3.4 | 4.4 | 2.2 | .9 | .2 | | | | 100.0 | 5.6 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS: 909

| | | | | |
|----------|------------|----------|------------|----------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTTTT | DDDDDDDD |
| PPPPPPPP | AAAAAAAA | RRRRRRRR | TTTTTTTTTT | DDDDDDDD |
| PP PP | AA AA | RR RR | TT | DD DD |
| PP PP | AA AA | RR RR | TT | DD DD |
| PPPPPPPP | AA AA | RRRRRRRR | TT | DD DD |
| PPPPPPPP | AAAAAAAAAA | RRRRRRRR | TT | DD DD |
| PP | AAAAAAAAAA | RR RR | TT | DD DD |
| PP | AA AA | RR RR | TT | DD DD |
| PP | AA AA | RR RR | TT | DDDDDDDD |
| PP | AA AA | RR RR | TT | DDDDDDDD |

D - 1 - 1

PART D

CEILING VERSUS VISIBILITY AND SKY COVER SUMMARIES

CEILING VS VISIBILITY--PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY IS A BIVARIATE DISTRIBUTION OF PERCENTAGE FREQUENCY BY CLASSES OF CEILING (FROM ZERO FEET TO 20,000 FEET-- "NO CEILING" IS A SEPARATE CLASS) VERSUS VISIBILITY CLASSES (FROM ZERO MILES (METERS) TO GREATER THAN OR EQUAL TO 7 STATUTE MILES (11,200 METERS)). THE TABLES SUMMARIZE THE DATA AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

BECAUSE OF THE CUMULATIVE NATURE OF THESE SUMMARIES, IT IS POSSIBLE TO DETERMINE THE PERCENTAGE OCCURRENCE FREQUENCY (POF) FOR ANY GIVEN CEILING AND/OR VISIBILITY LIMIT(S), EITHER SEPARATELY OR IN ANY COMBINATION. TOTALS PROGRESS FROM RIGHT TO LEFT AND FROM BOTTOM TO TOP. TO DETERMINE CEILING ALONE, REFER TO THE EXTREME RIGHT HAND COLUMN (ZERO VISIBILITY). TO DETERMINE VISIBILITY ALONE, REFER TO THE BOTTOM ROW (ZERO CEILINGS). DETERMINE THE POF THAT MEETS OR EXCEEDS ANY GIVEN SET OF MAXIMA BY READING THE VALUE AT THE INTERSECTION OF THE APPROPRIATE CEILING ROW AND VISIBILITY COLUMN.

NOTE 1: IN JANUARY 1968, METAR STATIONS BEGAN REPORTING VISIBILITIES TO 6 STATUTE MILES OR 9000 METERS. VALUES EXCEEDING 9000 METERS ARE REPORTED AS "9999."

NOTE 2: FOR OVERSEAS CIVILIAN STATIONS REPORTING "CAVOK", ALL CEILINGS GREATER THAN 5000 FEET APPEAR IN THE 5000 FEET CLASS.

CONVERSIONS: 1 STATUTE MILE = 1,609.344 METERS = .868391 NAUTICAL MILES.
FOR CONVENIENCE, THE CONVERSION OFTEN USED IS 1 STATUTE MILE = 1,600 METERS.

SKY COVER--PERCENT OCCURRENCE FREQUENCY.

ALSO CREATED FROM HOURLY OBSERVATIONS, THIS SUMMARY GIVES PERCENTAGE OCCURRENCE FREQUENCY (POF) OF SKY COVER IN EIGHTHS FOR SYNOPTIC STATIONS, BUT AS CLEAR, SCATTERED, BROKEN, OVERCAST, PARTIALLY OBSCURED, OR TOTALLY OBSCURED FOR AIRWAYS STATIONS. FOR AIRWAYS STATIONS, THIS SUMMARY ALSO GIVES POF FOR SKY COVER GREATER THAN ONE-HALF (I.E., 6/10). DATA IS SUMMARIZED THE SAME AS FOR PREVIOUS TABLE.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR METAR REPORTING STATIONS.

NOTE 2. AIRWAYC STATIONS THAT HAVE REPORTED IN SYNOPTIC CODE HAVE HAD THEIR
SYNOPTIC SKY COVER REPORTS CONVERTED AS FOLLOWS:

0/8.....CLEAR
1/8 THRU 4/8.....SCATTERED
5/8 THRU 7/8.....BROKEN
8/8.....OVERCAST

NOTE 3. "PARTIAL OBSCURATION" IS A SEPARATE CATEGORY NOT INCLUDED IN
COMPUTATION OF "GREATER THAN 1/2" PERCENTAGES. "TOTAL OBSCURATIONS,"
HOWEVER, ARE INCLUDED.

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OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: JAN HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 76.3 | 76.3 | 76.4 | 76.5 | 76.5 | 76.6 | 76.7 | 76.7 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 20000 | 82.5 | 82.5 | 82.6 | 82.7 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 18000 | 82.8 | 82.8 | 82.9 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 16000 | 82.9 | 82.9 | 83.0 | 83.1 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 14000 | 82.9 | 82.9 | 83.0 | 83.1 | 83.1 | 83.2 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 |
| GE 12000 | 84.5 | 84.5 | 84.6 | 84.7 | 84.7 | 84.8 | 84.9 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 10000 | 87.6 | 87.6 | 87.7 | 87.8 | 87.8 | 87.9 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 9000 | 87.9 | 87.9 | 88.1 | 88.2 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 8000 | 89.9 | 89.9 | 90.0 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 7000 | 90.3 | 90.3 | 90.4 | 90.5 | 90.5 | 90.6 | 90.7 | 90.7 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 6000 | 91.2 | 91.2 | 91.3 | 91.4 | 91.4 | 91.5 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 5000 | 93.2 | 93.2 | 93.3 | 93.4 | 93.4 | 93.5 | 93.6 | 93.6 | 93.6 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 4500 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.4 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 4000 | 94.4 | 94.4 | 94.5 | 94.6 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 3500 | 95.0 | 95.0 | 95.2 | 95.3 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 3000 | 96.0 | 96.0 | 96.1 | 96.2 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 2500 | 96.7 | 96.7 | 96.8 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2000 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.2 | 97.3 | 97.4 | 97.4 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1800 | 96.9 | 96.9 | 97.0 | 97.1 | 97.1 | 97.2 | 97.3 | 97.4 | 97.4 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 1500 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1200 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.3 | 97.5 | 97.6 | 97.6 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1000 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.5 | 97.7 | 97.8 | 97.8 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 900 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.6 | 97.8 | 98.0 | 98.0 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 800 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.6 | 97.8 | 98.0 | 98.0 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 700 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.6 | 97.8 | 98.0 | 98.0 | 98.1 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 |
| GE 600 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.7 | 98.0 | 98.1 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 |
| GE 500 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 98.0 | 98.2 | 98.3 | 98.3 | 98.4 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 |
| GE 400 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 98.0 | 98.2 | 98.3 | 98.3 | 98.4 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 |
| GE 300 | 97.3 | 97.3 | 97.5 | 97.6 | 97.6 | 98.1 | 98.4 | 98.5 | 98.5 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 |
| GE 200 | 97.3 | 97.3 | 97.5 | 97.6 | 97.6 | 98.1 | 98.4 | 98.6 | 98.6 | 98.7 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 |
| GE 100 | 97.3 | 97.3 | 97.5 | 97.6 | 97.6 | 98.1 | 98.4 | 98.8 | 98.8 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 |
| GE 000 | 97.3 | 97.3 | 97.5 | 97.6 | 97.6 | 98.1 | 98.4 | 98.8 | 98.8 | 98.9 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 72.5 | 72.5 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.2 | 73.3 |
| GE 20000 | 78.9 | 78.9 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.7 | 79.8 |
| GE 18000 | 79.5 | 79.5 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 | 80.2 | 80.3 |
| GE 16000 | 79.5 | 79.5 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 | 80.2 | 80.3 |
| GE 14000 | 79.8 | 79.8 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 | 80.5 | 80.6 |
| GE 12000 | 81.9 | 81.9 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.7 | 82.8 |
| GE 10000 | 84.7 | 84.7 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.5 | 85.6 |
| GE 9000 | 84.8 | 84.8 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.6 | 85.7 |
| GE 8000 | 87.2 | 87.2 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 88.0 | 88.1 |
| GE 7000 | 87.7 | 87.7 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.5 | 88.6 |
| GE 6000 | 89.1 | 89.1 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.9 | 90.0 |
| GE 5000 | 91.5 | 91.5 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.3 | 92.4 |
| GE 4500 | 92.8 | 92.8 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.5 | 93.7 |
| GE 4000 | 93.8 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.6 | 94.7 |
| GE 3500 | 94.4 | 94.4 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.9 | 94.9 | 95.1 | 95.1 | 95.3 | 95.4 |
| GE 3000 | 95.3 | 95.3 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 96.1 | 96.2 |
| GE 2500 | 95.5 | 95.5 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.5 | 96.6 |
| GE 2000 | 95.6 | 95.6 | 95.9 | 95.9 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.3 | 96.6 | 96.6 | 96.8 | 96.8 | 97.0 | 97.1 |
| GE 1800 | 95.6 | 95.6 | 95.9 | 95.9 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.3 | 96.6 | 96.6 | 96.8 | 96.8 | 97.0 | 97.1 |
| GE 1500 | 95.7 | 95.7 | 96.0 | 96.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.5 | 96.7 | 96.7 | 96.9 | 96.9 | 97.1 | 97.2 |
| GE 1200 | 95.8 | 95.9 | 96.2 | 96.2 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.8 | 97.0 | 97.0 | 97.2 | 97.2 | 97.4 | 97.5 |
| GE 1000 | 95.9 | 96.0 | 96.3 | 96.3 | 96.6 | 96.6 | 96.8 | 96.9 | 96.9 | 97.0 | 97.2 | 97.2 | 97.4 | 97.4 | 97.6 | 97.7 |
| GE 900 | 95.9 | 96.0 | 96.3 | 96.3 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.1 | 97.4 | 97.4 | 97.6 | 97.6 | 97.8 | 98.0 |
| GE 800 | 95.9 | 96.0 | 96.3 | 96.3 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.1 | 97.4 | 97.4 | 97.6 | 97.6 | 97.8 | 98.0 |
| GE 700 | 96.1 | 96.2 | 96.6 | 96.6 | 96.9 | 96.9 | 97.1 | 97.2 | 97.2 | 97.4 | 97.7 | 97.7 | 98.0 | 98.0 | 98.2 | 98.3 |
| GE 600 | 96.3 | 96.5 | 96.8 | 96.8 | 97.2 | 97.2 | 97.4 | 97.5 | 97.5 | 97.7 | 98.1 | 98.1 | 98.3 | 98.3 | 98.5 | 98.6 |
| GE 500 | 96.5 | 96.6 | 96.9 | 97.0 | 97.4 | 97.4 | 97.6 | 97.8 | 97.8 | 98.1 | 98.4 | 98.4 | 98.6 | 98.6 | 98.8 | 98.9 |
| GE 400 | 96.6 | 96.7 | 97.0 | 97.1 | 97.5 | 97.5 | 97.7 | 98.0 | 98.0 | 98.3 | 98.6 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 |
| GE 300 | 96.6 | 96.7 | 97.1 | 97.2 | 97.6 | 97.6 | 97.8 | 98.1 | 98.1 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 |
| GE 200 | 96.6 | 96.7 | 97.1 | 97.2 | 97.6 | 97.6 | 97.8 | 98.1 | 98.1 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 |
| GE 100 | 96.6 | 96.7 | 97.1 | 97.2 | 97.6 | 97.6 | 97.8 | 98.1 | 98.1 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 99.1 | 99.4 |
| GE 000 | 96.6 | 96.7 | 97.1 | 97.2 | 97.6 | 97.6 | 97.8 | 98.1 | 98.1 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 99.1 | 100.0 |

TOTAL, NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 68.1 | 68.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 | 68.5 | 68.5 | 68.5 | 68.7 | 68.7 | 68.7 | 68.7 | 68.8 | 68.9 |
| GE 20000 | 75.1 | 75.2 | 75.4 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.8 | 75.9 |
| GE 18000 | 75.3 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 76.0 | 76.1 |
| GE 16000 | 75.3 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.7 | 75.9 | 75.9 | 75.9 | 75.9 | 76.0 | 76.1 |
| GE 14000 | 76.7 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.3 | 77.3 | 77.3 | 77.3 | 77.4 | 77.5 |
| GE 12000 | 79.7 | 79.8 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.5 |
| GE 10000 | 83.2 | 83.3 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 | 84.3 |
| GE 9000 | 83.4 | 83.5 | 83.9 | 83.9 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.5 |
| GE 8000 | 86.0 | 86.1 | 86.5 | 86.5 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.1 |
| GE 7000 | 86.1 | 86.2 | 86.6 | 86.6 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.2 |
| GE 6000 | 87.7 | 87.8 | 88.2 | 88.2 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.8 |
| GE 5000 | 90.9 | 91.0 | 91.3 | 91.4 | 91.5 | 91.6 | 91.7 | 91.8 | 91.8 | 91.8 | 92.0 | 92.0 | 92.2 | 92.2 | 92.3 | 92.4 |
| GE 4500 | 92.3 | 92.4 | 92.7 | 92.8 | 93.1 | 93.2 | 93.3 | 93.4 | 93.4 | 93.4 | 93.7 | 93.7 | 93.8 | 93.8 | 93.9 | 94.0 |
| GE 4000 | 92.7 | 92.8 | 93.1 | 93.2 | 93.7 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.2 | 94.2 | 94.3 | 94.3 | 94.4 | 94.5 |
| GE 3500 | 93.1 | 93.2 | 93.5 | 93.7 | 94.1 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 | 94.9 |
| GE 3000 | 94.4 | 94.5 | 94.9 | 95.1 | 95.6 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 96.1 | 96.1 | 96.2 | 96.2 | 96.3 | 96.5 |
| GE 2500 | 94.7 | 94.8 | 95.3 | 95.4 | 95.9 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.6 | 96.6 | 96.7 | 96.8 |
| GE 2000 | 94.7 | 94.8 | 95.3 | 95.4 | 95.9 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.9 |
| GE 1800 | 94.7 | 94.8 | 95.3 | 95.4 | 95.9 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.9 |
| GE 1500 | 94.7 | 94.8 | 95.3 | 95.4 | 95.9 | 96.0 | 96.2 | 96.3 | 96.3 | 96.3 | 96.7 | 96.7 | 96.8 | 96.8 | 96.9 | 97.0 |
| GE 1200 | 94.8 | 94.9 | 95.4 | 95.5 | 96.0 | 96.1 | 96.3 | 96.5 | 96.5 | 96.5 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.1 |
| GE 1000 | 94.8 | 94.9 | 95.4 | 95.5 | 96.0 | 96.1 | 96.3 | 96.6 | 96.6 | 96.6 | 96.9 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 |
| GE 900 | 94.8 | 94.9 | 95.4 | 95.5 | 96.0 | 96.1 | 96.3 | 96.6 | 96.6 | 96.6 | 96.9 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 |
| GE 800 | 95.1 | 95.2 | 95.6 | 95.7 | 96.2 | 96.3 | 96.6 | 96.8 | 96.8 | 96.8 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.4 |
| GE 700 | 95.2 | 95.3 | 95.7 | 95.8 | 96.3 | 96.5 | 96.7 | 96.9 | 96.9 | 96.9 | 97.2 | 97.2 | 97.3 | 97.3 | 97.4 | 97.5 |
| GE 600 | 95.2 | 95.3 | 95.7 | 95.8 | 96.3 | 96.5 | 96.7 | 96.9 | 96.9 | 96.9 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.8 |
| GE 500 | 95.4 | 95.5 | 95.9 | 96.0 | 96.6 | 96.7 | 96.9 | 97.1 | 97.1 | 97.2 | 97.7 | 97.7 | 97.8 | 97.8 | 98.0 | 98.2 |
| GE 400 | 95.5 | 95.6 | 96.0 | 96.2 | 96.8 | 96.9 | 97.1 | 97.4 | 97.4 | 97.5 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.6 |
| GE 300 | 95.5 | 95.6 | 96.0 | 96.2 | 96.8 | 96.9 | 97.1 | 97.5 | 97.5 | 97.6 | 98.2 | 98.3 | 98.5 | 98.5 | 98.6 | 98.9 |
| GE 200 | 95.5 | 95.7 | 96.1 | 96.3 | 96.9 | 97.0 | 97.2 | 97.6 | 97.6 | 97.7 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 99.0 |
| GE 100 | 95.5 | 95.7 | 96.1 | 96.3 | 96.9 | 97.0 | 97.2 | 97.6 | 97.6 | 97.7 | 98.3 | 98.4 | 98.7 | 98.7 | 98.8 | 99.7 |
| GE 000 | 95.5 | 95.7 | 96.1 | 96.3 | 96.9 | 97.0 | 97.2 | 97.6 | 97.6 | 97.7 | 98.3 | 98.4 | 98.7 | 98.7 | 98.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 66.1 | 66.1 | 66.2 | 66.2 | 66.8 | 66.8 | 66.8 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | 67.1 | 67.1 | 67.1 | 67.1 |
| GE 20000 | 75.5 | 75.5 | 75.6 | 75.6 | 76.1 | 76.1 | 76.1 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 18000 | 76.3 | 76.3 | 76.5 | 76.5 | 77.0 | 77.0 | 77.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 16000 | 76.8 | 76.8 | 76.9 | 76.9 | 77.4 | 77.4 | 77.4 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 14000 | 78.0 | 78.0 | 78.1 | 78.1 | 78.6 | 78.6 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 |
| GE 12000 | 81.4 | 81.4 | 81.5 | 81.5 | 82.0 | 82.0 | 82.0 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 10000 | 85.4 | 85.4 | 85.6 | 85.6 | 86.1 | 86.1 | 86.1 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 9000 | 85.7 | 85.7 | 85.9 | 85.9 | 86.5 | 86.5 | 86.5 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 8000 | 87.0 | 87.0 | 87.2 | 87.2 | 87.7 | 87.7 | 87.7 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 7000 | 87.4 | 87.4 | 87.6 | 87.6 | 88.2 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 6000 | 88.2 | 88.2 | 88.4 | 88.4 | 88.9 | 88.9 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 5000 | 91.2 | 91.2 | 91.4 | 91.4 | 91.9 | 91.9 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 4500 | 92.3 | 92.3 | 92.5 | 92.5 | 93.0 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 4000 | 93.9 | 93.9 | 94.2 | 94.2 | 94.7 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 3500 | 94.6 | 94.6 | 95.1 | 95.1 | 95.6 | 95.6 | 95.6 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 3000 | 94.9 | 94.9 | 95.5 | 95.5 | 96.0 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 2500 | 94.9 | 94.9 | 95.5 | 95.5 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 2000 | 95.1 | 95.1 | 95.6 | 95.6 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1800 | 95.1 | 95.1 | 95.6 | 95.6 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1500 | 95.1 | 95.1 | 95.6 | 95.6 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 1200 | 95.2 | 95.2 | 95.7 | 95.7 | 96.3 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 1000 | 95.4 | 95.4 | 96.0 | 96.0 | 96.7 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 900 | 95.6 | 95.6 | 96.2 | 96.2 | 96.9 | 96.9 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 800 | 95.6 | 95.6 | 96.2 | 96.2 | 96.9 | 96.9 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 700 | 95.8 | 95.8 | 96.5 | 96.5 | 97.1 | 97.1 | 97.2 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 600 | 95.8 | 95.8 | 96.5 | 96.5 | 97.1 | 97.1 | 97.2 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 98.1 |
| GE 500 | 95.9 | 95.9 | 96.6 | 96.6 | 97.2 | 97.2 | 97.3 | 97.6 | 97.7 | 97.8 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.3 |
| GE 400 | 95.9 | 95.9 | 96.7 | 96.7 | 97.4 | 97.4 | 97.5 | 97.8 | 98.0 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.6 |
| GE 300 | 95.9 | 95.9 | 96.9 | 96.9 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.4 | 98.7 | 98.7 | 98.8 | 98.9 | 99.0 | 99.2 |
| GE 200 | 95.9 | 95.9 | 96.9 | 96.9 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.5 | 98.9 | 98.9 | 99.0 | 99.1 | 99.2 | 99.5 |
| GE 100 | 95.9 | 95.9 | 96.9 | 96.9 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.5 | 98.9 | 98.9 | 99.0 | 99.1 | 99.7 | 100.0 |
| GE 000 | 95.9 | 95.9 | 96.9 | 96.9 | 97.6 | 97.6 | 97.7 | 98.2 | 98.3 | 98.5 | 98.9 | 98.9 | 99.0 | 99.1 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 65.4 | 65.4 | 65.5 | 65.6 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 20000 | 76.3 | 76.3 | 76.5 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 |
| GE 18000 | 77.0 | 77.0 | 77.1 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 16000 | 77.1 | 77.1 | 77.2 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 14000 | 79.8 | 79.8 | 79.9 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 12000 | 82.4 | 82.4 | 82.5 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 10000 | 85.2 | 85.2 | 85.3 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 9000 | 85.7 | 85.7 | 85.8 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 8000 | 87.0 | 87.0 | 87.1 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 7000 | 87.7 | 87.7 | 87.8 | 88.0 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 6000 | 89.1 | 89.1 | 89.2 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 5000 | 92.2 | 92.2 | 92.3 | 92.4 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 4500 | 92.6 | 92.6 | 92.7 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 4000 | 94.7 | 94.7 | 94.8 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 3500 | 96.1 | 96.1 | 96.2 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 3000 | 96.9 | 96.9 | 97.0 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 2500 | 96.9 | 96.9 | 97.0 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 2000 | 97.1 | 97.1 | 97.2 | 97.3 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1800 | 97.1 | 97.1 | 97.2 | 97.3 | 97.6 | 97.6 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1500 | 97.2 | 97.2 | 97.3 | 97.4 | 97.7 | 97.7 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1200 | 97.3 | 97.4 | 97.8 | 98.0 | 98.3 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 1000 | 97.3 | 97.4 | 97.8 | 98.0 | 98.3 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 900 | 97.4 | 97.5 | 98.0 | 98.1 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 800 | 97.4 | 97.5 | 98.0 | 98.1 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 700 | 97.4 | 97.5 | 98.0 | 98.1 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 600 | 97.4 | 97.5 | 98.0 | 98.1 | 98.4 | 98.4 | 98.6 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500 | 97.5 | 97.6 | 98.1 | 98.2 | 98.5 | 98.5 | 98.7 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 400 | 97.5 | 97.6 | 98.1 | 98.2 | 98.6 | 98.6 | 99.0 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 97.6 | 97.7 | 98.2 | 98.3 | 98.7 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 97.6 | 97.7 | 98.2 | 98.3 | 98.7 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 97.6 | 97.7 | 98.2 | 98.3 | 98.7 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 |
| GE 000 | 97.6 | 97.7 | 98.2 | 98.3 | 98.7 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 66.6 | 66.6 | 66.6 | 66.8 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 | 66.9 |
| GE 20000 | 78.0 | 78.0 | 78.0 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 18000 | 79.0 | 79.0 | 79.0 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 16000 | 79.0 | 79.0 | 79.0 | 79.2 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 14000 | 81.2 | 81.2 | 81.2 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 12000 | 83.9 | 83.9 | 83.9 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 10000 | 88.3 | 88.3 | 88.3 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 9000 | 88.7 | 88.7 | 88.7 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 8000 | 89.9 | 89.9 | 89.9 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 7000 | 90.3 | 90.3 | 90.3 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 6000 | 91.5 | 91.5 | 91.5 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 5000 | 94.5 | 94.5 | 94.5 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 4500 | 95.1 | 95.1 | 95.1 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 4000 | 96.3 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 3500 | 97.1 | 97.1 | 97.1 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 3000 | 97.4 | 97.4 | 97.4 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 2500 | 97.8 | 97.8 | 97.8 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 2000 | 98.2 | 98.2 | 98.2 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1800 | 98.2 | 98.2 | 98.2 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1500 | 98.3 | 98.3 | 98.3 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 98.4 | 98.4 | 98.4 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 800 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 300 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 200 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 000 | 98.4 | 98.4 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.5 | 72.5 | 72.5 | 72.5 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 | 72.6 |
| GE 20000 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 18000 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 16000 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 14000 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 12000 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 10000 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 9000 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 8000 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 7000 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 6000 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 5000 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 |
| GE 4500 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 |
| GE 4000 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 |
| GE 3500 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 |
| GE 3000 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 |
| GE 2500 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 98.0 | 98.0 |
| GE 2000 | 97.5 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 |
| GE 1800 | 97.6 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 |
| GE 1500 | 97.6 | 97.7 | 98.1 | 98.2 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 |
| GE 1200 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 |
| GE 1000 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 900 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 800 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 700 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 |
| GE 600 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 |
| GE 500 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 |
| GE 400 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 |
| GE 300 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 |
| GE 200 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.5 | 99.5 | 99.6 |
| GE 100 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.6 | 99.6 | 100.0 |
| GE 000 | 97.7 | 97.8 | 98.3 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.6 | 99.6 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

D - 2 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 76.7 | 76.7 | 76.7 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 20000 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 18000 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 16000 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 14000 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 12000 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 10000 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 9000 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 8000 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 7000 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 6000 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 5000 | 95.0 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 4500 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 4000 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 3500 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 3000 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 2500 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 2000 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1800 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1500 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1200 | 98.6 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1000 | 98.6 | 98.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900 | 98.6 | 98.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 800 | 98.6 | 98.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 700 | 98.6 | 98.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 600 | 98.6 | 98.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 98.6 | 98.6 | 98.7 | 98.8 | 99.0 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 400 | 98.6 | 98.6 | 98.7 | 98.8 | 99.0 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 98.6 | 98.6 | 98.7 | 98.8 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 98.6 | 98.6 | 98.7 | 98.8 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 100 | 98.6 | 98.6 | 98.7 | 98.8 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 |
| GE 000 | 98.6 | 98.6 | 98.7 | 98.8 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.5 | 70.5 | 70.6 | 70.7 | 70.8 | 70.8 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 |
| GE 20000 | 79.0 | 79.0 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 18000 | 79.6 | 79.7 | 79.8 | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 |
| GE 16000 | 79.8 | 79.8 | 79.9 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.3 | 80.3 |
| GE 14000 | 80.9 | 81.0 | 81.1 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 |
| GE 12000 | 83.3 | 83.3 | 83.4 | 83.5 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.9 |
| GE 10000 | 86.7 | 86.7 | 86.8 | 86.9 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.3 |
| GE 9000 | 87.1 | 87.1 | 87.3 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 |
| GE 8000 | 88.6 | 88.7 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 7000 | 89.1 | 89.1 | 89.3 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 |
| GE 6000 | 90.3 | 90.3 | 90.5 | 90.5 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 5000 | 93.0 | 93.0 | 93.1 | 93.2 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.7 |
| GE 4500 | 93.7 | 93.7 | 93.9 | 93.9 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 4000 | 94.9 | 94.9 | 95.0 | 95.1 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 |
| GE 3500 | 95.5 | 95.5 | 95.6 | 95.7 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3000 | 96.2 | 96.2 | 96.4 | 96.5 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 |
| GE 2500 | 96.4 | 96.5 | 96.7 | 96.8 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 |
| GE 2000 | 96.7 | 96.7 | 96.9 | 97.0 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 |
| GE 1800 | 96.7 | 96.7 | 96.9 | 97.0 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 |
| GE 1500 | 96.7 | 96.8 | 97.0 | 97.1 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| GE 1200 | 96.9 | 96.9 | 97.2 | 97.3 | 97.6 | 97.6 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 |
| GE 1000 | 96.9 | 97.0 | 97.3 | 97.4 | 97.7 | 97.7 | 97.9 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 900 | 97.0 | 97.0 | 97.3 | 97.4 | 97.7 | 97.8 | 98.0 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 |
| GE 800 | 97.0 | 97.0 | 97.4 | 97.5 | 97.8 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 |
| GE 700 | 97.1 | 97.1 | 97.4 | 97.5 | 97.8 | 97.9 | 98.1 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 |
| GE 600 | 97.1 | 97.1 | 97.5 | 97.6 | 97.9 | 98.0 | 98.1 | 98.3 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 |
| GE 500 | 97.2 | 97.2 | 97.5 | 97.7 | 98.0 | 98.1 | 98.2 | 98.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 |
| GE 400 | 97.2 | 97.2 | 97.6 | 97.7 | 98.1 | 98.2 | 98.3 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 300 | 97.2 | 97.3 | 97.6 | 97.8 | 98.1 | 98.2 | 98.4 | 98.7 | 98.7 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 |
| GE 200 | 97.2 | 97.3 | 97.6 | 97.8 | 98.1 | 98.3 | 98.5 | 98.7 | 98.7 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 |
| GE 100 | 97.2 | 97.3 | 97.6 | 97.8 | 98.1 | 98.3 | 98.5 | 98.7 | 98.8 | 98.9 | 99.2 | 99.2 | 99.3 | 99.4 | 99.5 | 99.8 |
| GE 000 | 97.2 | 97.3 | 97.6 | 97.8 | 98.1 | 98.3 | 98.5 | 98.7 | 98.8 | 98.9 | 99.2 | 99.2 | 99.3 | 99.4 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7438

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.5 | 71.5 | 71.5 | 71.5 |
| GE 20000 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 18000 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 16000 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 14000 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 12000 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 10000 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 9000 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 8000 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 7000 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 6000 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 5000 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 4500 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 4000 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 3500 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 3000 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 2500 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 2000 | 97.5 | 97.5 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1800 | 97.5 | 97.5 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1500 | 97.8 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1200 | 97.8 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | 97.8 | 97.8 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 900 | 97.8 | 97.8 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 800 | 97.8 | 97.8 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 700 | 97.8 | 97.8 | 98.1 | 98.3 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 600 | 97.8 | 97.8 | 98.1 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 500 | 97.8 | 97.8 | 98.1 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 97.8 | 97.8 | 98.1 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 300 | 97.8 | 97.8 | 98.1 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 200 | 98.0 | 98.0 | 98.3 | 98.6 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 100 | 98.0 | 98.0 | 98.3 | 98.6 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 100.0 |
| GE 000 | 98.0 | 98.0 | 98.3 | 98.6 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.8 | 70.8 | 70.8 | 70.9 | 71.0 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 |
| GE 20000 | 78.4 | 78.4 | 78.4 | 78.5 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 18000 | 78.4 | 78.4 | 78.4 | 78.5 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 16000 | 78.4 | 78.4 | 78.4 | 78.5 | 78.6 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 14000 | 79.1 | 79.1 | 79.1 | 79.2 | 79.3 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 12000 | 81.3 | 81.3 | 81.3 | 81.4 | 81.6 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 10000 | 85.9 | 85.9 | 85.9 | 86.1 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 9000 | 86.3 | 86.3 | 86.3 | 86.4 | 86.5 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 8000 | 88.5 | 88.5 | 88.5 | 88.7 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 7000 | 88.7 | 88.7 | 88.7 | 88.8 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 6000 | 89.5 | 89.5 | 89.5 | 89.6 | 89.7 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 5000 | 91.7 | 91.7 | 91.8 | 92.0 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 4500 | 93.0 | 93.0 | 93.1 | 93.3 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 4000 | 93.9 | 93.9 | 94.0 | 94.1 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 3500 | 94.9 | 94.9 | 95.0 | 95.2 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 3000 | 95.4 | 95.4 | 96.0 | 96.1 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 2500 | 95.4 | 95.4 | 96.0 | 96.1 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 2000 | 95.7 | 96.0 | 96.6 | 96.7 | 96.9 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 1800 | 95.9 | 96.1 | 96.7 | 96.8 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1500 | 96.5 | 96.7 | 97.3 | 97.4 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1200 | 96.5 | 96.7 | 97.3 | 97.4 | 97.8 | 98.0 | 98.0 | 98.1 | 98.1 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1000 | 96.6 | 96.8 | 97.5 | 97.6 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.7 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 900 | 96.6 | 96.8 | 97.5 | 97.6 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.7 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 96.6 | 96.8 | 97.5 | 97.6 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.7 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 700 | 96.6 | 96.9 | 97.8 | 97.9 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 96.6 | 96.9 | 97.8 | 97.9 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500 | 96.6 | 96.9 | 97.8 | 97.9 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 |
| GE 400 | 96.6 | 96.9 | 97.8 | 97.9 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 |
| GE 300 | 96.6 | 96.9 | 97.8 | 97.9 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.9 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 |
| GE 200 | 96.6 | 96.9 | 98.0 | 98.1 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 |
| GE 100 | 96.6 | 96.9 | 98.0 | 98.1 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 |
| GE 000 | 96.6 | 96.9 | 98.0 | 98.1 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 99.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.8 | 65.8 | 66.0 | 66.0 | 66.0 | 66.0 |
| GE 20000 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 18000 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 |
| GE 16000 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 14000 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 12000 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 10000 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 9000 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 8000 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 7000 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 6000 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 5000 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 4500 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 4000 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 3500 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 3000 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 2500 | 95.0 | 95.0 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 2000 | 95.6 | 95.7 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1800 | 95.6 | 95.7 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1500 | 96.2 | 96.3 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 1200 | 96.3 | 96.5 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 97.3 | 97.3 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1000 | 96.9 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.9 | 97.9 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 900 | 96.9 | 97.0 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.9 | 97.9 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 800 | 97.0 | 97.2 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 98.0 | 98.0 | 98.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 700 | 97.0 | 97.2 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 98.0 | 98.0 | 98.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.7 | 98.7 |
| GE 600 | 97.0 | 97.2 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 98.0 | 98.0 | 98.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.7 | 98.7 |
| GE 500 | 97.0 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.2 | 98.6 | 98.6 | 98.7 | 98.7 | 98.9 | 99.1 |
| GE 400 | 97.0 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.2 | 98.6 | 98.6 | 98.7 | 98.7 | 98.9 | 99.2 |
| GE 300 | 97.0 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.2 | 98.6 | 98.6 | 98.7 | 98.7 | 98.9 | 99.2 |
| GE 200 | 97.0 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.3 | 98.7 | 98.7 | 99.1 | 99.1 | 99.4 | 99.6 |
| GE 100 | 97.0 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.5 | 98.8 | 98.8 | 99.2 | 99.3 | 99.6 | 99.9 |
| GE 000 | 97.0 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 98.1 | 98.1 | 98.5 | 98.8 | 98.8 | 99.2 | 99.3 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: FEB HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| GE 20000 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 18000 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 16000 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 14000 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 12000 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 10000 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 9000 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 8000 | 85.8 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 7000 | 85.8 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 6000 | 87.1 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 5000 | 89.4 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 4500 | 91.1 | 91.4 | 91.5 | 91.5 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 4000 | 92.8 | 93.0 | 93.1 | 93.1 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 3500 | 93.5 | 93.7 | 93.9 | 93.9 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 3000 | 95.4 | 95.6 | 95.7 | 95.7 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 2500 | 95.6 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 2000 | 96.5 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1800 | 96.5 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1500 | 96.9 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 1200 | 96.9 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.6 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1000 | 96.9 | 97.2 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 900 | 96.9 | 97.2 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 800 | 96.9 | 97.2 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 700 | 96.9 | 97.2 | 97.5 | 97.8 | 98.0 | 98.0 | 98.1 | 98.2 | 98.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 600 | 97.2 | 97.4 | 97.8 | 98.0 | 98.3 | 98.3 | 98.5 | 98.7 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500 | 97.3 | 97.5 | 97.9 | 98.1 | 98.6 | 98.6 | 98.7 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 97.5 | 97.9 | 98.2 | 98.5 | 98.9 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 97.5 | 97.9 | 98.2 | 98.5 | 98.9 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 97.6 | 98.0 | 98.3 | 98.6 | 99.1 | 99.1 | 99.2 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.6 | 98.0 | 98.3 | 98.6 | 99.1 | 99.1 | 99.2 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.6 | 98.0 | 98.3 | 98.6 | 99.1 | 99.1 | 99.2 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 | 65.7 |
| GE 20000 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 18000 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 16000 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 14000 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| GE 12000 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 10000 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 9000 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 8000 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 7000 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 6000 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 5000 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 4500 | 91.3 | 91.3 | 91.4 | 91.4 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 4000 | 93.5 | 93.7 | 94.0 | 94.0 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 3500 | 94.4 | 94.8 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 3000 | 96.5 | 96.8 | 97.0 | 97.0 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 2500 | 96.9 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 2000 | 97.2 | 97.5 | 97.9 | 97.9 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1800 | 97.2 | 97.5 | 97.9 | 97.9 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 1500 | 97.5 | 97.9 | 98.2 | 98.2 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1200 | 97.5 | 97.9 | 98.2 | 98.2 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 97.9 | 98.2 | 98.6 | 98.6 | 99.1 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 97.9 | 98.2 | 98.6 | 98.6 | 99.1 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.0 | 98.3 | 98.7 | 98.7 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 60.5 | 60.5 | 60.6 | 60.6 | 60.6 | 60.6 | 60.8 | 60.8 | 60.8 | 60.9 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 20000 | 74.6 | 74.6 | 74.7 | 74.7 | 74.7 | 74.7 | 74.9 | 75.1 | 75.1 | 75.2 | 75.4 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 |
| GE 18000 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.5 | 75.8 | 75.9 | 75.9 | 76.0 | 76.2 | 76.2 | 76.2 | 76.4 | 76.4 | 76.4 |
| GE 16000 | 75.5 | 75.5 | 75.7 | 75.7 | 75.7 | 75.7 | 75.9 | 76.0 | 76.0 | 76.1 | 76.4 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 |
| GE 14000 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.9 | 78.0 | 78.0 | 78.1 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 |
| GE 12000 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.4 | 81.6 | 81.6 | 81.7 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 |
| GE 10000 | 84.0 | 84.0 | 84.3 | 84.4 | 84.4 | 84.4 | 84.6 | 84.8 | 84.8 | 84.9 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 |
| GE 9000 | 84.2 | 84.2 | 84.4 | 84.5 | 84.5 | 84.5 | 84.8 | 84.9 | 84.9 | 85.0 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 |
| GE 8000 | 85.5 | 85.5 | 85.7 | 85.8 | 85.8 | 85.8 | 86.1 | 86.2 | 86.2 | 86.3 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 |
| GE 7000 | 85.9 | 85.9 | 86.2 | 86.3 | 86.3 | 86.3 | 86.5 | 86.6 | 86.6 | 86.8 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 |
| GE 6000 | 87.9 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.5 | 88.7 | 88.7 | 88.8 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 |
| GE 5000 | 91.3 | 91.3 | 91.5 | 91.6 | 91.6 | 91.6 | 91.8 | 92.0 | 92.0 | 92.1 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 |
| GE 4500 | 92.1 | 92.1 | 92.4 | 92.6 | 92.6 | 92.6 | 92.8 | 92.9 | 92.9 | 93.0 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 |
| GE 4000 | 94.3 | 94.4 | 94.8 | 94.9 | 94.9 | 94.9 | 95.2 | 95.3 | 95.3 | 95.4 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 |
| GE 3500 | 95.4 | 95.5 | 95.9 | 96.0 | 96.0 | 96.0 | 96.2 | 96.3 | 96.3 | 96.5 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 |
| GE 3000 | 96.3 | 96.9 | 97.4 | 97.5 | 97.5 | 97.5 | 97.8 | 97.9 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 |
| GE 2500 | 96.7 | 97.3 | 98.0 | 98.1 | 98.1 | 98.2 | 98.5 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 |
| GE 2000 | 96.9 | 97.5 | 98.2 | 98.3 | 98.3 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 1800 | 96.9 | 97.5 | 98.2 | 98.3 | 98.3 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 |
| GE 1500 | 97.0 | 97.6 | 98.5 | 98.6 | 98.7 | 98.8 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 97.0 | 97.6 | 98.5 | 98.6 | 98.7 | 98.8 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 97.0 | 97.6 | 98.5 | 98.6 | 98.7 | 98.8 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 |
| GE 900 | 97.0 | 97.6 | 98.5 | 98.6 | 98.7 | 98.8 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 |
| GE 800 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 700 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 600 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 500 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.2 | 97.8 | 98.6 | 98.7 | 98.8 | 98.9 | 99.2 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 63.9 | 63.9 | 64.1 | 64.2 | 64.4 | 64.4 | 64.4 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.8 | 64.8 | 64.8 |
| GE 20000 | 74.8 | 74.8 | 74.9 | 75.1 | 75.3 | 75.3 | 75.3 | 75.5 | 75.7 | 75.8 | 75.8 | 75.8 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 18000 | 75.5 | 75.5 | 75.7 | 75.8 | 76.0 | 76.0 | 76.0 | 76.2 | 76.4 | 76.5 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 16000 | 75.9 | 75.9 | 76.0 | 76.1 | 76.4 | 76.4 | 76.4 | 76.6 | 76.7 | 76.8 | 76.8 | 76.8 | 77.0 | 77.0 | 77.0 | 77.0 |
| GE 14000 | 77.5 | 77.5 | 77.7 | 77.8 | 78.0 | 78.0 | 78.0 | 78.3 | 78.4 | 78.5 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 12000 | 80.6 | 80.6 | 80.7 | 80.9 | 81.1 | 81.1 | 81.1 | 81.3 | 81.4 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 10000 | 86.4 | 86.4 | 86.6 | 86.8 | 87.0 | 87.0 | 87.0 | 87.2 | 87.4 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 9000 | 86.4 | 86.4 | 86.6 | 86.8 | 87.0 | 87.0 | 87.0 | 87.2 | 87.4 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 8000 | 88.5 | 88.5 | 88.8 | 88.9 | 89.1 | 89.1 | 89.1 | 89.4 | 89.5 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 7000 | 88.7 | 88.7 | 88.9 | 89.0 | 89.2 | 89.2 | 89.2 | 89.5 | 89.6 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 6000 | 89.8 | 89.8 | 90.1 | 90.2 | 90.4 | 90.4 | 90.4 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 5000 | 92.4 | 92.4 | 92.7 | 92.8 | 93.1 | 93.1 | 93.1 | 93.4 | 93.5 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 4500 | 93.3 | 93.3 | 93.5 | 93.6 | 94.0 | 94.1 | 94.1 | 94.3 | 94.4 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 4000 | 94.8 | 94.8 | 95.0 | 95.2 | 95.5 | 95.6 | 95.6 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3500 | 95.5 | 95.5 | 96.0 | 96.1 | 96.5 | 96.6 | 96.6 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 3000 | 96.8 | 97.0 | 97.5 | 97.6 | 98.0 | 98.1 | 98.1 | 98.3 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 2500 | 97.3 | 97.5 | 98.1 | 98.2 | 98.6 | 98.7 | 98.7 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 2000 | 97.3 | 97.5 | 98.1 | 98.2 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1800 | 97.3 | 97.5 | 98.1 | 98.2 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1500 | 97.3 | 97.5 | 98.1 | 98.2 | 98.6 | 98.7 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 97.3 | 97.5 | 98.2 | 98.3 | 98.7 | 98.8 | 98.9 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1000 | 97.3 | 97.5 | 98.2 | 98.3 | 98.7 | 98.8 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 97.3 | 97.5 | 98.2 | 98.3 | 98.7 | 98.8 | 98.9 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 97.3 | 97.5 | 98.2 | 98.3 | 98.7 | 98.8 | 98.9 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 97.3 | 97.5 | 98.2 | 98.3 | 98.7 | 98.8 | 98.9 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 97.3 | 97.5 | 98.2 | 98.3 | 98.7 | 98.8 | 98.9 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 97.3 | 97.5 | 98.3 | 98.5 | 98.8 | 98.9 | 99.1 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.3 | 97.5 | 98.3 | 98.5 | 98.8 | 98.9 | 99.1 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.3 | 97.5 | 98.3 | 98.5 | 98.8 | 98.9 | 99.1 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.3 | 97.5 | 98.3 | 98.5 | 98.8 | 98.9 | 99.1 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.3 | 97.5 | 98.3 | 98.5 | 98.8 | 98.9 | 99.1 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.3 | 97.5 | 98.3 | 98.5 | 98.8 | 98.9 | 99.1 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 72.9 | 72.9 | 73.0 | 73.0 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 20000 | 80.4 | 80.4 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 18000 | 80.5 | 80.5 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 16000 | 80.5 | 80.5 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 14000 | 82.0 | 82.0 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 12000 | 85.0 | 85.0 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 10000 | 89.7 | 89.7 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 9000 | 89.7 | 89.7 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 8000 | 90.9 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 7000 | 91.3 | 91.3 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 6000 | 92.4 | 92.4 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 5000 | 94.2 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 4500 | 95.4 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 4000 | 96.0 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3500 | 96.6 | 96.6 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 3000 | 97.4 | 97.4 | 97.6 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 2500 | 97.9 | 97.9 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 2000 | 98.2 | 98.2 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1800 | 98.2 | 98.2 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1500 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1000 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 900 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.5 |
| GE 800 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 700 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 600 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 500 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 400 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 98.9 | 98.9 | 99.4 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 98.9 | 98.9 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.9 | 98.9 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.9 | 98.9 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 846

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 67.2 | 67.2 | 67.3 | 67.3 | 67.3 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 20000 | 77.2 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 18000 | 77.6 | 77.6 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 16000 | 77.7 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 |
| GE 14000 | 79.0 | 79.0 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| GE 12000 | 81.3 | 81.3 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 |
| GE 10000 | 85.5 | 85.5 | 85.6 | 85.6 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 |
| GE 9000 | 85.7 | 85.7 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 |
| GE 8000 | 87.5 | 87.6 | 87.6 | 87.7 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 7000 | 87.8 | 87.8 | 87.9 | 88.0 | 88.0 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 6000 | 89.0 | 89.0 | 89.1 | 89.2 | 89.2 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 5000 | 91.5 | 91.5 | 91.6 | 91.7 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 4500 | 92.7 | 92.7 | 92.8 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 4000 | 94.1 | 94.2 | 94.4 | 94.4 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 |
| GE 3500 | 95.0 | 95.1 | 95.3 | 95.3 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 3000 | 96.1 | 96.3 | 96.6 | 96.6 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 2500 | 96.4 | 96.6 | 97.0 | 97.0 | 97.1 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 2000 | 96.9 | 97.1 | 97.5 | 97.5 | 97.7 | 97.7 | 97.8 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1800 | 96.9 | 97.1 | 97.5 | 97.5 | 97.7 | 97.8 | 97.8 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 |
| GE 1500 | 97.3 | 97.5 | 97.9 | 98.0 | 98.2 | 98.2 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1200 | 97.3 | 97.5 | 97.9 | 98.0 | 98.2 | 98.3 | 98.3 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1000 | 97.4 | 97.6 | 98.1 | 98.2 | 98.4 | 98.5 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 900 | 97.4 | 97.6 | 98.1 | 98.2 | 98.4 | 98.5 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 800 | 97.5 | 97.7 | 98.2 | 98.2 | 98.5 | 98.5 | 98.6 | 98.8 | 98.9 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 97.5 | 97.7 | 98.2 | 98.3 | 98.6 | 98.6 | 98.7 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 97.5 | 97.7 | 98.2 | 98.3 | 98.6 | 98.7 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 500 | 97.5 | 97.8 | 98.3 | 98.4 | 98.7 | 98.7 | 98.8 | 99.1 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| GE 400 | 97.5 | 97.8 | 98.3 | 98.4 | 98.7 | 98.8 | 98.9 | 99.1 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 300 | 97.5 | 97.8 | 98.3 | 98.4 | 98.7 | 98.8 | 98.9 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 200 | 97.6 | 97.8 | 98.4 | 98.5 | 98.8 | 98.9 | 99.0 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 100 | 97.6 | 97.8 | 98.4 | 98.5 | 98.8 | 98.9 | 99.0 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 100.0 |
| GE 000 | 97.6 | 97.8 | 98.4 | 98.5 | 98.8 | 98.9 | 99.0 | 99.2 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 6768

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 75.3 | 75.7 | 75.8 | 75.8 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| GE 20000 | 82.3 | 82.7 | 82.8 | 82.8 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 18000 | 82.5 | 82.9 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 16000 | 82.5 | 82.9 | 83.0 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 14000 | 84.6 | 85.1 | 85.2 | 85.2 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 12000 | 87.0 | 87.4 | 87.5 | 87.5 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 10000 | 90.1 | 90.5 | 90.6 | 90.6 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 9000 | 90.5 | 91.0 | 91.1 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 8000 | 92.9 | 93.3 | 93.4 | 93.4 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 7000 | 93.3 | 93.8 | 93.9 | 93.9 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 6000 | 94.4 | 94.8 | 94.9 | 94.9 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 5000 | 95.8 | 96.2 | 96.3 | 96.3 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 4500 | 96.2 | 96.7 | 96.8 | 96.8 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 4000 | 96.9 | 97.3 | 97.4 | 97.4 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 3500 | 97.0 | 97.4 | 97.5 | 97.5 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 3000 | 97.5 | 98.0 | 98.4 | 98.4 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | 98.0 | 98.4 | 98.8 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2000 | 98.3 | 98.7 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1800 | 98.3 | 98.7 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1500 | 98.3 | 98.7 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1200 | 98.4 | 98.8 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 98.4 | 98.8 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 76.9 | 77.0 | 77.0 | 77.0 | 77.2 | 77.2 | 77.3 | 77.3 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 20000 | 83.7 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 | 84.1 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 18000 | 83.7 | 83.8 | 83.8 | 83.8 | 84.0 | 84.0 | 84.1 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| GE 16000 | 83.8 | 83.9 | 83.9 | 83.9 | 84.1 | 84.1 | 84.2 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 14000 | 85.4 | 85.5 | 85.5 | 85.5 | 85.7 | 85.7 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 12000 | 87.6 | 87.7 | 87.7 | 87.7 | 88.0 | 88.0 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 10000 | 90.2 | 90.3 | 90.3 | 90.3 | 90.5 | 90.5 | 90.6 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 9000 | 90.6 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.1 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 8000 | 92.2 | 92.3 | 92.3 | 92.3 | 92.5 | 92.5 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 7000 | 92.4 | 92.5 | 92.5 | 92.5 | 92.7 | 92.7 | 92.8 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 6000 | 93.7 | 93.8 | 93.8 | 93.8 | 94.0 | 94.0 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 5000 | 94.7 | 94.8 | 94.8 | 94.8 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 4500 | 95.6 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 4000 | 96.8 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 3500 | 96.9 | 97.0 | 97.0 | 97.0 | 97.2 | 97.2 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 3000 | 98.2 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | 98.2 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2000 | 98.3 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1800 | 98.4 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1500 | 98.5 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1200 | 98.7 | 98.8 | 98.8 | 98.9 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 98.7 | 98.8 | 98.8 | 98.9 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 900 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| GE 200 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| GE 100 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 |
| GE 20000 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 18000 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 16000 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 14000 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 12000 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 10000 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 9000 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 8000 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 7000 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 6000 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 5000 | 94.5 | 94.5 | 94.5 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 4500 | 95.7 | 95.7 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 4000 | 96.2 | 96.2 | 96.2 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 3500 | 96.8 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 3000 | 97.5 | 97.5 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 2500 | 97.8 | 97.8 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 2000 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 1800 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 1500 | 98.6 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1200 | 98.9 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 98.9 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 900 | 98.9 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 800 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| GE 400 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| GE 300 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 200 | 98.9 | 98.9 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| GE 100 | 98.9 | 98.9 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 000 | 98.9 | 98.9 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 | 68.9 |
| GE 20000 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 18000 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 16000 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 14000 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 12000 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 10000 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 9000 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 8000 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 7000 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 6000 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 5000 | 94.0 | 94.0 | 94.1 | 94.1 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 4500 | 95.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 4000 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 3500 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 3000 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 2500 | 97.8 | 98.0 | 98.1 | 98.1 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 2000 | 98.0 | 98.2 | 98.3 | 98.3 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1800 | 98.1 | 98.3 | 98.4 | 98.4 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1500 | 98.1 | 98.3 | 98.4 | 98.4 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1200 | 98.3 | 98.5 | 98.6 | 98.6 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1000 | 98.4 | 98.6 | 98.7 | 98.7 | 98.8 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 800 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 700 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 600 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 400 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 200 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 |
| GE 000 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 66.3 | 66.5 | 66.6 | 66.6 | 66.7 | 66.7 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 | 66.8 |
| GE 20000 | 81.0 | 81.1 | 81.2 | 81.2 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 18000 | 81.5 | 81.6 | 81.7 | 81.7 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 16000 | 81.5 | 81.6 | 81.7 | 81.7 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 14000 | 84.0 | 84.1 | 84.2 | 84.2 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 12000 | 85.5 | 85.8 | 85.9 | 85.9 | 86.3 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 10000 | 88.6 | 88.9 | 89.0 | 89.0 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 9000 | 88.8 | 89.1 | 89.2 | 89.2 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 8000 | 89.9 | 90.2 | 90.3 | 90.3 | 90.9 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 7000 | 90.2 | 90.5 | 90.6 | 90.6 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 6000 | 90.8 | 91.1 | 91.2 | 91.2 | 91.7 | 91.8 | 92.0 | 92.0 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 5000 | 92.0 | 92.4 | 92.5 | 92.5 | 93.1 | 93.4 | 93.7 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 4500 | 92.8 | 93.1 | 93.2 | 93.2 | 93.9 | 94.2 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 4000 | 95.2 | 95.5 | 95.6 | 95.6 | 96.2 | 96.6 | 96.8 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 3500 | 95.5 | 95.8 | 95.9 | 95.9 | 96.6 | 96.9 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 3000 | 96.8 | 97.1 | 97.2 | 97.2 | 97.8 | 98.2 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 2500 | 96.9 | 97.2 | 97.3 | 97.3 | 98.0 | 98.3 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2000 | 97.1 | 97.5 | 97.6 | 97.6 | 98.3 | 98.6 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1800 | 97.1 | 97.5 | 97.6 | 97.6 | 98.3 | 98.6 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1500 | 97.4 | 97.8 | 98.0 | 98.0 | 98.6 | 98.9 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1200 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 500 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 400 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 300 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 200 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 000 | 97.6 | 98.1 | 98.2 | 98.2 | 98.8 | 99.1 | 99.5 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 59.7 | 59.7 | 59.8 | 59.8 | 60.4 | 60.5 | 60.8 | 60.9 | 60.9 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 20000 | 78.1 | 78.1 | 78.2 | 78.3 | 79.4 | 79.5 | 79.7 | 79.9 | 79.9 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 18000 | 78.9 | 78.9 | 79.0 | 79.1 | 80.2 | 80.3 | 80.5 | 80.8 | 80.8 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 16000 | 79.1 | 79.1 | 79.2 | 79.4 | 80.4 | 80.5 | 80.8 | 81.0 | 81.0 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 14000 | 81.1 | 81.1 | 81.2 | 81.3 | 82.4 | 82.5 | 82.7 | 82.9 | 82.9 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 12000 | 83.9 | 83.9 | 84.0 | 84.1 | 85.2 | 85.3 | 85.5 | 85.7 | 85.7 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 10000 | 87.5 | 87.5 | 87.6 | 87.7 | 88.8 | 88.9 | 89.1 | 89.4 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 9000 | 87.5 | 87.5 | 87.6 | 87.7 | 88.8 | 88.9 | 89.1 | 89.4 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 8000 | 89.1 | 89.1 | 89.2 | 89.4 | 90.4 | 90.5 | 90.8 | 91.0 | 91.0 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 7000 | 89.7 | 89.7 | 89.8 | 89.9 | 91.0 | 91.1 | 91.3 | 91.5 | 91.5 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 6000 | 91.7 | 91.7 | 91.8 | 91.9 | 93.0 | 93.1 | 93.3 | 93.5 | 93.5 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 5000 | 94.2 | 94.2 | 94.3 | 94.4 | 95.5 | 95.6 | 95.8 | 96.0 | 96.0 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 4500 | 95.3 | 95.3 | 95.5 | 95.6 | 96.7 | 96.8 | 97.0 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 4000 | 95.8 | 95.9 | 96.1 | 96.3 | 97.4 | 97.5 | 97.7 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3500 | 96.0 | 96.1 | 96.3 | 96.6 | 97.6 | 97.7 | 98.0 | 98.2 | 98.2 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 3000 | 96.7 | 96.8 | 97.0 | 97.2 | 98.3 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2500 | 96.9 | 97.0 | 97.2 | 97.4 | 98.5 | 98.6 | 98.8 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2000 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1800 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1500 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.2 | 97.3 | 97.5 | 97.7 | 98.8 | 98.9 | 99.1 | 99.5 | 99.5 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 64.6 | 64.7 | 64.8 | 65.2 | 65.4 | 65.4 | 65.5 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 | 65.8 |
| GE 20000 | 74.7 | 74.8 | 74.9 | 75.5 | 75.8 | 75.8 | 75.9 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 18000 | 75.4 | 75.5 | 75.6 | 76.1 | 76.5 | 76.5 | 76.6 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 | 76.9 |
| GE 16000 | 75.8 | 75.9 | 76.0 | 76.6 | 77.0 | 77.0 | 77.2 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| GE 14000 | 78.8 | 78.9 | 79.0 | 79.6 | 80.0 | 80.0 | 80.2 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 12000 | 83.5 | 83.7 | 83.8 | 84.3 | 84.7 | 84.7 | 84.9 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 10000 | 88.1 | 88.3 | 88.5 | 89.2 | 89.8 | 89.8 | 90.0 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 9000 | 88.2 | 88.4 | 88.6 | 89.4 | 89.9 | 89.9 | 90.1 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 8000 | 89.0 | 89.2 | 89.7 | 90.4 | 91.0 | 91.0 | 91.2 | 91.5 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 7000 | 89.7 | 89.9 | 90.3 | 91.1 | 91.6 | 91.6 | 91.8 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 6000 | 91.5 | 91.7 | 92.2 | 92.9 | 93.4 | 93.4 | 93.7 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 5000 | 94.5 | 94.7 | 95.2 | 95.9 | 96.5 | 96.5 | 96.7 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 4500 | 95.9 | 96.1 | 96.6 | 97.3 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 4000 | 96.2 | 96.5 | 96.9 | 97.6 | 98.2 | 98.2 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3500 | 96.6 | 96.8 | 97.2 | 98.0 | 98.5 | 98.5 | 98.7 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 3000 | 96.9 | 97.1 | 97.5 | 98.3 | 98.8 | 98.8 | 99.0 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2500 | 97.0 | 97.2 | 97.6 | 98.4 | 98.9 | 98.9 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 2000 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.3 | 97.5 | 98.0 | 98.7 | 99.2 | 99.2 | 99.5 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| FO CEIL | 73.9 | 74.1 | 74.5 | 74.7 | 74.7 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 |
| GE 20000 | 80.9 | 81.1 | 81.5 | 81.7 | 81.7 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 18000 | 81.1 | 81.3 | 81.7 | 81.9 | 81.9 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 16000 | 81.4 | 81.6 | 82.0 | 82.3 | 82.3 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 14000 | 83.5 | 83.8 | 84.2 | 84.4 | 84.4 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 12000 | 86.2 | 86.5 | 86.9 | 87.1 | 87.1 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 10000 | 90.3 | 90.5 | 91.0 | 91.2 | 91.3 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 9000 | 90.8 | 91.0 | 91.4 | 91.6 | 91.7 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 8000 | 92.2 | 92.4 | 92.8 | 93.0 | 93.1 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 7000 | 92.4 | 92.6 | 93.0 | 93.2 | 93.3 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 6000 | 92.9 | 93.1 | 93.5 | 93.9 | 94.0 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 5000 | 95.5 | 95.7 | 96.1 | 96.5 | 96.6 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 4500 | 97.0 | 97.2 | 97.6 | 98.0 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 4000 | 97.6 | 97.8 | 98.3 | 98.6 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 3500 | 97.7 | 98.0 | 98.4 | 98.7 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 3000 | 98.1 | 98.3 | 98.7 | 99.0 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2500 | 98.3 | 98.5 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 2000 | 98.5 | 98.7 | 99.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 98.5 | 98.7 | 99.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1500 | 98.5 | 98.7 | 99.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1200 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.6 | 98.8 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 69.3 | 69.4 | 69.5 | 69.6 | 69.7 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 20000 | 80.3 | 80.4 | 80.5 | 80.6 | 80.9 | 80.9 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 18000 | 80.8 | 80.9 | 81.0 | 81.1 | 81.4 | 81.4 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 16000 | 80.9 | 81.1 | 81.2 | 81.3 | 81.5 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 14000 | 83.1 | 83.2 | 83.3 | 83.5 | 83.7 | 83.8 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| GE 12000 | 85.7 | 85.9 | 86.0 | 86.1 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 10000 | 89.1 | 89.3 | 89.4 | 89.5 | 89.8 | 89.9 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 9000 | 89.4 | 89.5 | 89.7 | 89.8 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 8000 | 90.9 | 91.0 | 91.2 | 91.3 | 91.6 | 91.7 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 7000 | 91.3 | 91.5 | 91.6 | 91.7 | 92.1 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 6000 | 92.5 | 92.7 | 92.8 | 93.0 | 93.3 | 93.4 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| GE 5000 | 94.4 | 94.6 | 94.7 | 94.9 | 95.3 | 95.4 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 4500 | 95.5 | 95.7 | 95.8 | 96.0 | 96.4 | 96.5 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 4000 | 96.4 | 96.6 | 96.8 | 97.0 | 97.4 | 97.5 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 3500 | 96.7 | 96.8 | 97.0 | 97.2 | 97.6 | 97.7 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 3000 | 97.4 | 97.6 | 97.8 | 97.9 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | 97.6 | 97.8 | 98.0 | 98.2 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2000 | 97.9 | 98.1 | 98.3 | 98.5 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1800 | 97.9 | 98.1 | 98.3 | 98.5 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1500 | 98.0 | 98.2 | 98.4 | 98.6 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 98.1 | 98.3 | 98.6 | 98.8 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1000 | 98.1 | 98.4 | 98.6 | 98.8 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 98.2 | 98.4 | 98.6 | 98.8 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 400 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 300 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 200 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 100 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 000 | 98.2 | 98.4 | 98.7 | 98.9 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 81.0 | 81.1 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 20000 | 86.6 | 86.7 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 18000 | 86.6 | 86.7 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 16000 | 86.6 | 86.7 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 14000 | 88.7 | 88.8 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 12000 | 90.6 | 90.7 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 10000 | 93.2 | 93.3 | 93.8 | 93.9 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 9000 | 93.4 | 93.6 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 8000 | 94.1 | 94.2 | 94.7 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 7000 | 94.4 | 94.6 | 95.0 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 6000 | 96.0 | 96.1 | 96.6 | 96.7 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 5000 | 96.7 | 96.8 | 97.2 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 4500 | 97.0 | 97.1 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 4000 | 97.3 | 97.4 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3500 | 97.3 | 97.4 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3000 | 97.4 | 97.6 | 98.0 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 2500 | 97.4 | 97.6 | 98.0 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 2000 | 97.6 | 97.7 | 98.1 | 98.2 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1800 | 97.6 | 97.7 | 98.1 | 98.2 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1500 | 97.6 | 97.7 | 98.1 | 98.2 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 97.6 | 97.7 | 98.1 | 98.2 | 98.4 | 98.4 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1000 | 97.8 | 97.9 | 98.3 | 98.4 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 900 | 97.8 | 97.9 | 98.3 | 98.4 | 98.7 | 98.7 | 99.0 | 99.0 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 800 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.8 | 97.9 | 98.3 | 98.4 | 98.8 | 98.8 | 99.2 | 99.2 | 99.2 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: APR HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 81.0 | 81.0 | 81.1 | 81.2 | 81.6 | 81.6 | 81.6 | 81.7 | 81.7 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 20000 | 87.8 | 87.8 | 87.9 | 88.0 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 18000 | 88.2 | 88.2 | 88.3 | 88.4 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 16000 | 88.2 | 88.2 | 88.3 | 88.4 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 14000 | 89.3 | 89.3 | 89.4 | 89.6 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 12000 | 91.4 | 91.4 | 91.6 | 91.7 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 10000 | 94.0 | 94.0 | 94.1 | 94.2 | 94.8 | 94.8 | 94.9 | 95.0 | 95.0 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 9000 | 94.1 | 94.1 | 94.2 | 94.3 | 94.9 | 94.9 | 95.0 | 95.1 | 95.1 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 8000 | 95.0 | 95.0 | 95.1 | 95.2 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 7000 | 95.4 | 95.4 | 95.6 | 95.7 | 96.2 | 96.2 | 96.3 | 96.4 | 96.4 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 6000 | 96.3 | 96.3 | 96.4 | 96.6 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 5000 | 96.7 | 96.7 | 96.8 | 96.9 | 97.4 | 97.6 | 97.7 | 97.8 | 97.8 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 4500 | 96.8 | 96.8 | 96.9 | 97.0 | 97.6 | 97.7 | 97.8 | 97.9 | 97.9 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 4000 | 97.0 | 97.0 | 97.1 | 97.2 | 97.8 | 97.9 | 98.0 | 98.1 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3500 | 97.1 | 97.1 | 97.2 | 97.3 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 3000 | 97.2 | 97.2 | 97.3 | 97.4 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 2500 | 97.3 | 97.3 | 97.4 | 97.6 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2000 | 97.6 | 97.6 | 97.7 | 97.8 | 98.3 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1800 | 97.6 | 97.6 | 97.7 | 97.8 | 98.3 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1500 | 97.6 | 97.6 | 97.7 | 97.8 | 98.3 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1200 | 97.6 | 97.6 | 97.7 | 97.8 | 98.3 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1000 | 97.9 | 97.9 | 98.0 | 98.1 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 97.9 | 97.9 | 98.0 | 98.1 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 97.9 | 97.9 | 98.0 | 98.1 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 97.9 | 97.9 | 98.0 | 98.1 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 97.9 | 97.9 | 98.0 | 98.1 | 98.7 | 98.8 | 98.9 | 99.1 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 97.9 | 97.9 | 98.0 | 98.1 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.9 | 97.9 | 98.0 | 98.1 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.9 | 97.9 | 98.0 | 98.1 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.9 | 97.9 | 98.0 | 98.1 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.9 | 97.9 | 98.0 | 98.1 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.9 | 97.9 | 98.0 | 98.1 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 76.0 | 76.2 | 76.2 | 76.4 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 |
| GE 20000 | 83.8 | 84.0 | 84.0 | 84.2 | 84.4 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 18000 | 85.1 | 85.3 | 85.3 | 85.6 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 16000 | 85.6 | 85.8 | 85.8 | 86.0 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 14000 | 86.8 | 87.0 | 87.0 | 87.2 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 12000 | 90.1 | 90.3 | 90.3 | 90.6 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 10000 | 92.8 | 93.0 | 93.0 | 93.2 | 93.4 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 9000 | 93.1 | 93.3 | 93.3 | 93.6 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 8000 | 94.6 | 94.8 | 94.8 | 95.0 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 7000 | 94.7 | 94.9 | 94.9 | 95.1 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 6000 | 95.2 | 95.4 | 95.4 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 5000 | 95.6 | 95.8 | 95.8 | 96.0 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 4500 | 96.4 | 96.7 | 96.7 | 96.9 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 4000 | 96.9 | 97.1 | 97.1 | 97.3 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 3500 | 97.2 | 97.4 | 97.4 | 97.7 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 3000 | 97.4 | 97.7 | 97.7 | 97.9 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 2500 | 97.8 | 98.0 | 98.0 | 98.2 | 98.4 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2000 | 97.8 | 98.0 | 98.0 | 98.3 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1800 | 97.8 | 98.0 | 98.0 | 98.3 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1500 | 97.8 | 98.0 | 98.0 | 98.3 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1200 | 97.8 | 98.0 | 98.0 | 98.3 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1000 | 98.0 | 98.2 | 98.2 | 98.6 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 98.0 | 98.2 | 98.2 | 98.6 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 98.0 | 98.2 | 98.2 | 98.6 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 98.0 | 98.2 | 98.2 | 98.6 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 98.0 | 98.2 | 98.2 | 98.6 | 99.0 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 98.0 | 98.2 | 98.2 | 98.6 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.0 | 98.2 | 98.2 | 98.6 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.0 | 98.2 | 98.2 | 98.6 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.0 | 98.2 | 98.2 | 98.6 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.0 | 98.2 | 98.2 | 98.6 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.0 | 98.2 | 98.2 | 98.6 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 77.8 | 78.0 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| GE 20000 | 87.2 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 18000 | 88.2 | 88.4 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 16000 | 88.7 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 14000 | 89.3 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 12000 | 90.4 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 10000 | 92.3 | 92.6 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 9000 | 92.6 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 8000 | 93.6 | 93.8 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 7000 | 93.9 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 6000 | 94.8 | 95.0 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 5000 | 95.2 | 95.4 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 4500 | 95.6 | 95.8 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 4000 | 96.3 | 96.6 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 3500 | 96.9 | 97.1 | 97.4 | 97.6 | 97.7 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 3000 | 97.3 | 97.6 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 2500 | 97.4 | 97.7 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 2000 | 97.8 | 98.0 | 98.3 | 98.4 | 98.6 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1800 | 97.8 | 98.0 | 98.3 | 98.4 | 98.6 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1500 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1000 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 800 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 600 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 98.8 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 500 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.8 | 98.0 | 98.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.4 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 69.4 | 69.6 | 69.8 | 70.0 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 20000 | 82.9 | 83.0 | 83.3 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 18000 | 84.3 | 84.4 | 84.8 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 16000 | 84.6 | 84.7 | 85.0 | 85.2 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 14000 | 86.4 | 86.6 | 86.9 | 87.2 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 12000 | 88.0 | 88.1 | 88.4 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 10000 | 89.8 | 89.9 | 90.2 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 9000 | 90.0 | 90.1 | 90.4 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 8000 | 91.2 | 91.3 | 91.7 | 92.0 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 7000 | 91.7 | 91.8 | 92.1 | 92.4 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 6000 | 93.3 | 93.4 | 93.8 | 94.1 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 5000 | 94.3 | 94.6 | 94.9 | 95.2 | 95.6 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 4500 | 95.0 | 95.2 | 95.6 | 95.9 | 96.2 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 4000 | 96.2 | 96.4 | 96.8 | 97.1 | 97.4 | 97.4 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 3500 | 96.4 | 96.7 | 97.0 | 97.3 | 97.7 | 97.7 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 3000 | 96.8 | 97.0 | 97.3 | 97.7 | 98.0 | 98.0 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 2500 | 96.9 | 97.1 | 97.4 | 97.8 | 98.1 | 98.1 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2000 | 96.9 | 97.1 | 97.4 | 97.8 | 98.1 | 98.1 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1800 | 96.9 | 97.1 | 97.4 | 97.8 | 98.1 | 98.1 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1500 | 97.1 | 97.3 | 97.7 | 98.0 | 98.3 | 98.3 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 97.1 | 97.3 | 97.7 | 98.0 | 98.3 | 98.3 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1000 | 97.1 | 97.3 | 97.7 | 98.0 | 98.3 | 98.3 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 900 | 97.1 | 97.3 | 97.7 | 98.0 | 98.3 | 98.3 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 800 | 97.1 | 97.3 | 97.7 | 98.0 | 98.3 | 98.3 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 97.1 | 97.3 | 97.7 | 98.0 | 98.3 | 98.3 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 97.1 | 97.3 | 97.7 | 98.0 | 98.3 | 98.3 | 98.6 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500 | 97.2 | 97.4 | 97.9 | 98.2 | 98.6 | 98.6 | 98.8 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.2 | 97.4 | 97.9 | 98.2 | 98.6 | 98.6 | 98.8 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.2 | 97.4 | 97.9 | 98.2 | 98.6 | 98.6 | 98.8 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.2 | 97.4 | 97.9 | 98.2 | 98.6 | 98.6 | 98.8 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.2 | 97.4 | 97.9 | 98.2 | 98.6 | 98.6 | 98.8 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.2 | 97.4 | 97.9 | 98.2 | 98.6 | 98.6 | 98.8 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 63.9 | 64.3 | 64.7 | 65.2 | 65.6 | 65.8 | 65.9 | 66.1 | 66.1 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 | 66.3 |
| GE 20000 | 79.2 | 79.8 | 80.1 | 80.8 | 81.1 | 81.3 | 81.4 | 81.7 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 82.0 | 82.0 |
| GE 18000 | 80.0 | 80.6 | 80.9 | 81.6 | 81.9 | 82.1 | 82.2 | 82.4 | 82.4 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 |
| GE 16000 | 80.1 | 80.7 | 81.0 | 81.7 | 82.0 | 82.2 | 82.3 | 82.6 | 82.6 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 |
| GE 14000 | 82.8 | 83.3 | 83.7 | 84.3 | 84.7 | 84.9 | 85.0 | 85.3 | 85.3 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 |
| GE 12000 | 84.2 | 84.8 | 85.1 | 85.8 | 86.1 | 86.3 | 86.4 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 |
| GE 10000 | 86.8 | 87.3 | 87.7 | 88.3 | 88.7 | 88.9 | 89.0 | 89.3 | 89.3 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 |
| GE 9000 | 86.9 | 87.4 | 87.8 | 88.4 | 88.8 | 89.0 | 89.1 | 89.4 | 89.4 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 |
| GE 8000 | 87.7 | 88.2 | 88.8 | 89.4 | 89.8 | 90.0 | 90.2 | 90.6 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 |
| GE 7000 | 87.9 | 88.4 | 89.0 | 89.7 | 90.0 | 90.2 | 90.4 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.2 | 91.2 |
| GE 6000 | 91.4 | 92.1 | 92.8 | 93.4 | 93.9 | 94.2 | 94.6 | 95.2 | 95.2 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.8 | 95.8 |
| GE 5000 | 93.0 | 93.7 | 94.3 | 95.0 | 95.4 | 95.8 | 96.1 | 96.8 | 96.8 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 | 97.4 |
| GE 4500 | 93.2 | 93.9 | 94.6 | 95.2 | 95.7 | 96.0 | 96.3 | 97.0 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.7 | 97.7 |
| GE 4000 | 93.8 | 94.4 | 95.1 | 95.9 | 96.3 | 96.7 | 97.0 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.3 | 98.3 |
| GE 3500 | 93.8 | 94.4 | 95.1 | 95.9 | 96.3 | 96.7 | 97.0 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.3 | 98.3 |
| GE 3000 | 93.9 | 94.6 | 95.2 | 96.0 | 96.4 | 96.8 | 97.1 | 97.8 | 97.8 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 |
| GE 2500 | 94.3 | 95.0 | 95.7 | 96.4 | 96.9 | 97.2 | 97.6 | 98.2 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 |
| GE 2000 | 94.3 | 95.0 | 95.7 | 96.4 | 96.9 | 97.2 | 97.6 | 98.2 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 |
| GE 1800 | 94.3 | 95.0 | 95.7 | 96.4 | 96.9 | 97.2 | 97.6 | 98.2 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 |
| GE 1500 | 94.4 | 95.1 | 95.8 | 96.6 | 97.0 | 97.3 | 97.7 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 |
| GE 1200 | 94.4 | 95.1 | 95.8 | 96.6 | 97.0 | 97.3 | 97.7 | 98.3 | 98.3 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 |
| GE 1000 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 |
| GE 900 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 |
| GE 800 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 |
| GE 700 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 |
| GE 600 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 |
| GE 500 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 400 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 300 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 200 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 100 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |
| GE 000 | 94.9 | 95.6 | 96.2 | 97.1 | 97.7 | 98.0 | 98.3 | 99.0 | 99.0 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 69.0 | 69.0 | 69.2 | 69.3 | 70.0 | 70.1 | 70.2 | 70.2 | 70.4 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 20000 | 81.2 | 81.3 | 81.7 | 81.8 | 82.4 | 82.6 | 82.8 | 82.9 | 83.1 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| GE 18000 | 82.2 | 82.3 | 82.7 | 82.9 | 83.6 | 83.7 | 83.9 | 84.0 | 84.2 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 16000 | 82.4 | 82.6 | 82.9 | 83.1 | 83.8 | 83.9 | 84.1 | 84.2 | 84.4 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 14000 | 84.7 | 84.8 | 85.1 | 85.3 | 86.2 | 86.3 | 86.7 | 86.8 | 87.0 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 12000 | 86.2 | 86.3 | 86.8 | 87.0 | 87.9 | 88.0 | 88.3 | 88.4 | 88.7 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 10000 | 90.9 | 91.0 | 91.4 | 91.7 | 92.6 | 92.7 | 93.0 | 93.1 | 93.3 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 9000 | 91.3 | 91.4 | 91.9 | 92.1 | 93.0 | 93.1 | 93.4 | 93.6 | 93.8 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 8000 | 91.9 | 92.0 | 92.4 | 92.7 | 93.6 | 93.7 | 94.0 | 94.1 | 94.3 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 7000 | 92.0 | 92.1 | 92.6 | 92.8 | 93.7 | 93.8 | 94.1 | 94.2 | 94.4 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 6000 | 93.1 | 93.2 | 93.7 | 94.0 | 95.1 | 95.3 | 95.7 | 96.1 | 96.3 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 5000 | 94.1 | 94.2 | 94.7 | 95.0 | 96.1 | 96.3 | 96.7 | 97.2 | 97.4 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 4500 | 94.1 | 94.2 | 94.7 | 95.0 | 96.1 | 96.3 | 96.7 | 97.2 | 97.4 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 4000 | 94.8 | 94.9 | 95.3 | 95.7 | 96.8 | 97.0 | 97.3 | 97.9 | 98.1 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3500 | 94.9 | 94.9 | 95.3 | 95.7 | 96.8 | 97.0 | 97.3 | 97.9 | 98.1 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3000 | 95.0 | 95.2 | 95.7 | 96.0 | 97.1 | 97.3 | 97.7 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2500 | 95.0 | 95.2 | 95.7 | 96.0 | 97.1 | 97.3 | 97.7 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2000 | 95.0 | 95.2 | 95.7 | 96.0 | 97.1 | 97.3 | 97.7 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1800 | 95.0 | 95.2 | 95.7 | 96.0 | 97.1 | 97.3 | 97.7 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1500 | 95.0 | 95.2 | 95.7 | 96.0 | 97.1 | 97.3 | 97.7 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 95.0 | 95.2 | 95.7 | 96.0 | 97.1 | 97.3 | 97.7 | 98.2 | 98.4 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1000 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 95.3 | 95.6 | 96.0 | 96.3 | 97.4 | 97.7 | 98.1 | 98.7 | 98.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 78.9 | 79.2 | 79.4 | 79.9 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 20000 | 84.9 | 85.2 | 85.4 | 85.9 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 18000 | 85.3 | 85.7 | 85.9 | 86.3 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| GE 16000 | 85.6 | 85.9 | 86.1 | 86.6 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 14000 | 88.2 | 88.6 | 88.8 | 89.2 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 12000 | 90.1 | 90.4 | 90.7 | 91.1 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 10000 | 93.0 | 93.3 | 93.6 | 94.0 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 9000 | 93.6 | 93.9 | 94.1 | 94.6 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 8000 | 94.4 | 94.8 | 95.0 | 95.4 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 7000 | 94.4 | 94.8 | 95.0 | 95.4 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 6000 | 96.1 | 96.4 | 96.7 | 97.1 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 5000 | 97.0 | 97.3 | 97.6 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 4500 | 97.0 | 97.3 | 97.6 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 4000 | 97.3 | 97.7 | 97.9 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3500 | 97.3 | 97.7 | 97.9 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3000 | 97.4 | 97.8 | 98.0 | 98.4 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | 97.4 | 97.8 | 98.0 | 98.4 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2000 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1800 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1500 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1200 | 97.7 | 98.0 | 98.2 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1000 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 900 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 800 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.9 | 98.2 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 74.6 | 74.8 | 75.0 | 75.3 | 75.5 | 75.6 | 75.6 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 20000 | 84.2 | 84.4 | 84.7 | 84.9 | 85.2 | 85.2 | 85.3 | 85.3 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 18000 | 85.0 | 85.2 | 85.5 | 85.7 | 86.0 | 86.0 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 16000 | 85.2 | 85.4 | 85.7 | 85.9 | 86.2 | 86.2 | 86.3 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 14000 | 87.0 | 87.2 | 87.5 | 87.8 | 88.0 | 88.1 | 88.2 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 12000 | 88.9 | 89.1 | 89.4 | 89.6 | 89.9 | 90.0 | 90.0 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 10000 | 91.6 | 91.8 | 92.1 | 92.3 | 92.7 | 92.7 | 92.8 | 92.9 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 9000 | 91.9 | 92.1 | 92.4 | 92.6 | 93.0 | 93.0 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 |
| GE 8000 | 92.8 | 93.0 | 93.3 | 93.6 | 93.9 | 94.0 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 7000 | 93.1 | 93.3 | 93.6 | 93.8 | 94.2 | 94.2 | 94.3 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 6000 | 94.5 | 94.8 | 95.1 | 95.4 | 95.7 | 95.8 | 95.9 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 |
| GE 5000 | 95.3 | 95.6 | 95.9 | 96.2 | 96.6 | 96.7 | 96.8 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 4500 | 95.6 | 95.9 | 96.2 | 96.5 | 96.9 | 97.0 | 97.1 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 4000 | 96.2 | 96.4 | 96.8 | 97.1 | 97.5 | 97.6 | 97.7 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 3500 | 96.4 | 96.6 | 96.9 | 97.2 | 97.6 | 97.8 | 97.9 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3000 | 96.6 | 96.8 | 97.1 | 97.4 | 97.8 | 98.0 | 98.1 | 98.3 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 2500 | 96.7 | 97.0 | 97.3 | 97.6 | 98.0 | 98.1 | 98.3 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 |
| GE 2000 | 96.8 | 97.1 | 97.4 | 97.7 | 98.1 | 98.3 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1800 | 96.8 | 97.1 | 97.4 | 97.7 | 98.1 | 98.3 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1500 | 96.9 | 97.1 | 97.4 | 97.8 | 98.2 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 1200 | 96.9 | 97.1 | 97.4 | 97.8 | 98.2 | 98.3 | 98.5 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 1000 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.6 | 98.8 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 900 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.6 | 98.8 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 800 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.6 | 98.8 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 700 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.6 | 98.8 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 600 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.6 | 98.8 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 500 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.7 | 98.9 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.7 | 98.9 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.7 | 98.9 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.7 | 98.9 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.7 | 98.9 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 97.1 | 97.3 | 97.7 | 98.0 | 98.5 | 98.7 | 98.9 | 99.3 | 99.3 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 83.2 | 83.2 | 83.4 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 20000 | 90.6 | 90.6 | 90.9 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 18000 | 90.8 | 90.8 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 16000 | 90.8 | 90.8 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 14000 | 91.2 | 91.2 | 91.4 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 12000 | 93.5 | 93.5 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 10000 | 94.7 | 94.7 | 94.9 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 9000 | 95.6 | 95.6 | 95.8 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 8000 | 96.1 | 96.1 | 96.3 | 96.5 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 7000 | 96.1 | 96.1 | 96.3 | 96.5 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 6000 | 98.4 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 5000 | 99.1 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 4500 | 99.1 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 4000 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.2 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 |
| GE 20000 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 |
| GE 18000 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 |
| GE 16000 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 |
| GE 14000 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 |
| GE 12000 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 |
| GE 10000 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 |
| GE 9000 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 |
| GE 8000 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 |
| GE 7000 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 |
| GE 6000 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 |
| GE 5000 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 4500 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 4000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 3500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 3000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 2500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 2000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 1800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 1500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 1200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 1000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 900 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 800 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 700 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 600 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 400 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 300 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 200 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: MAY HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 20000 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 18000 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 16000 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 14000 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 12000 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 10000 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 9000 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 8000 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 7000 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 6000 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 5000 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4000 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3000 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2500 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2000 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| GE 20000 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 18000 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 16000 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 14000 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 12000 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 10000 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 9000 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 8000 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 7000 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 6000 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 5000 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 4500 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4000 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 3500 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 3000 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 2500 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| GE 20000 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 18000 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 16000 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 14000 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 12000 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 10000 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 9000 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 8000 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 7000 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 6000 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 5000 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 4500 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4000 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 3500 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 3000 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2500 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.0 | 70.0 | 70.1 | 70.1 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 20000 | 85.8 | 85.8 | 85.9 | 85.9 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 18000 | 86.0 | 86.0 | 86.1 | 86.1 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 16000 | 86.1 | 86.1 | 86.2 | 86.2 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 14000 | 87.3 | 87.3 | 87.4 | 87.4 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 12000 | 89.6 | 89.6 | 89.7 | 89.7 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 10000 | 91.2 | 91.2 | 91.3 | 91.3 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 9000 | 91.3 | 91.3 | 91.4 | 91.4 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 8000 | 92.3 | 92.3 | 92.4 | 92.4 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 7000 | 92.7 | 92.7 | 92.8 | 92.8 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 6000 | 97.4 | 97.4 | 97.7 | 97.8 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 5000 | 98.5 | 98.5 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4500 | 98.7 | 98.7 | 99.0 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 4000 | 99.0 | 99.0 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 99.0 | 99.0 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3000 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.1 | 99.1 | 99.5 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 71.1 | 71.1 | 71.4 | 71.6 | 71.8 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 20000 | 85.2 | 85.2 | 85.5 | 85.7 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 18000 | 85.4 | 85.4 | 85.7 | 85.9 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 16000 | 85.6 | 85.6 | 85.9 | 86.1 | 86.3 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 14000 | 86.8 | 86.8 | 87.1 | 87.3 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 12000 | 89.1 | 89.1 | 89.5 | 89.7 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 10000 | 91.0 | 91.0 | 91.3 | 91.5 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 9000 | 91.2 | 91.2 | 91.5 | 91.7 | 92.0 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 8000 | 92.2 | 92.2 | 92.5 | 92.7 | 93.0 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 7000 | 92.8 | 92.8 | 93.1 | 93.3 | 93.7 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 6000 | 96.0 | 96.0 | 96.3 | 96.6 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 |
| GE 5000 | 97.4 | 97.4 | 98.0 | 98.2 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 |
| GE 4500 | 97.5 | 97.5 | 98.1 | 98.3 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 |
| GE 4000 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 3500 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 3000 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 2500 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 2000 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1800 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1500 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1200 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1000 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 900 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 800 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 700 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 600 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 500 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 400 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 300 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 200 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 100 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 000 | 98.4 | 98.4 | 99.0 | 99.2 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 79.0 | 79.1 | 79.4 | 79.5 | 79.5 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 20000 | 88.0 | 88.2 | 88.4 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 18000 | 88.1 | 88.3 | 88.5 | 88.6 | 88.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 16000 | 88.3 | 88.5 | 88.7 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 14000 | 89.4 | 89.6 | 89.8 | 89.9 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 12000 | 91.6 | 91.8 | 92.0 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 10000 | 93.4 | 93.7 | 93.9 | 94.0 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| GE 9000 | 94.2 | 94.4 | 94.6 | 94.7 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 8000 | 94.4 | 94.6 | 94.8 | 94.9 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 7000 | 94.7 | 94.9 | 95.2 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 6000 | 97.2 | 97.5 | 97.7 | 97.8 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 5000 | 98.5 | 98.8 | 99.0 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4500 | 98.6 | 98.9 | 99.1 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 4000 | 98.7 | 99.0 | 99.2 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 78.7 | 78.7 | 78.8 | 78.8 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 20000 | 88.4 | 88.5 | 88.6 | 88.6 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 18000 | 88.7 | 88.7 | 88.8 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 16000 | 88.9 | 88.9 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 14000 | 90.2 | 90.2 | 90.3 | 90.3 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 12000 | 92.2 | 92.2 | 92.3 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 |
| GE 10000 | 94.2 | 94.2 | 94.4 | 94.4 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 9000 | 94.7 | 94.8 | 94.9 | 94.9 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 8000 | 95.5 | 95.6 | 95.7 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 7000 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 6000 | 98.0 | 98.0 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 |
| GE 5000 | 98.8 | 98.9 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4500 | 99.0 | 99.0 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| GE 4000 | 99.3 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 3500 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3000 | 99.3 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2500 | 99.4 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 2000 | 99.4 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.4 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 90.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 20000 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 18000 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 16000 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 14000 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 12000 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 10000 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 9000 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 8000 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 7000 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 6000 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 5000 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4500 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4000 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 3500 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 3000 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 2500 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 2000 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: JUN HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 20000 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 18000 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 16000 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 14000 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 12000 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 10000 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 9000 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 8000 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 7000 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 6000 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 5000 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 4500 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 4000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1200 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 80.6 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 20000 | 83.8 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 18000 | 84.3 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 16000 | 84.4 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 14000 | 86.7 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 12000 | 89.2 | 89.4 | 89.4 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 10000 | 95.8 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 9000 | 96.1 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| GE 8000 | 97.1 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 7000 | 97.2 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 6000 | 97.6 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 5000 | 98.8 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4500 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 4000 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 20000 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 18000 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 16000 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 14000 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 12000 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 10000 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 9000 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 8000 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 7000 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 6000 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 5000 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4500 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4000 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 3500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 3000 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 20000 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 18000 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 16000 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| GE 14000 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 12000 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 10000 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 9000 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 8000 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 7000 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 6000 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 5000 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4500 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4000 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 65.0 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 | 65.1 |
| GE 20000 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 18000 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 16000 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 14000 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 12000 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| GE 10000 | 90.9 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 9000 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 8000 | 91.6 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 7000 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 6000 | 97.4 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 5000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 4500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 4000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 | 63.8 |
| GE 20000 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 18000 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 16000 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 14000 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 12000 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| GE 10000 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 9000 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 8000 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 7000 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| GE 6000 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 5000 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 4500 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| GE 4000 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NO/ 81 - OCT 91
MONTH: JUN HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 20000 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 18000 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 16000 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 14000 | 86.2 | 86.2 | 86.3 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 12000 | 89.2 | 89.2 | 89.3 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 10000 | 93.0 | 93.0 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 9000 | 93.1 | 93.1 | 93.2 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 8000 | 93.4 | 93.4 | 93.6 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 7000 | 93.9 | 93.9 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 6000 | 96.9 | 96.9 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 5000 | 98.6 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 4500 | 98.7 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 4000 | 99.2 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 3500 | 99.2 | 99.2 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 3000 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2500 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2000 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.2 | 99.2 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| GE 20000 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 18000 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 16000 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 14000 | 86.8 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 12000 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 10000 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 9000 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 8000 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 7000 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 6000 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 5000 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4500 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4000 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 3500 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3000 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2500 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2000 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 | 66.7 |
| GE 20000 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 18000 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 16000 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 14000 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| GE 12000 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 10000 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 9000 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| GE 8000 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 7000 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 6000 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 5000 | 98.4 | 98.4 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4500 | 98.4 | 98.4 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4000 | 99.1 | 99.1 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 99.1 | 99.1 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3000 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.1 | 99.1 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 20000 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 | 77.3 |
| GE 18000 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 |
| GE 16000 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 14000 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| GE 12000 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 10000 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 9000 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 8000 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 7000 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 6000 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 5000 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4500 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4000 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 20000 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 18000 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| GE 16000 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| GE 14000 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 12000 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 10000 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 9000 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 8000 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 7000 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 6000 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 5000 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4500 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 4000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| GE 20000 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 18000 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 16000 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 14000 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| GE 12000 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 10000 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 9000 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 8000 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 7000 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 6000 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 5000 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 4500 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 4000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 | 61.0 |
| GE 20000 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 18000 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 16000 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| GE 14000 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 12000 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 10000 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| GE 9000 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 8000 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| GE 7000 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| GE 6000 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 5000 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 4500 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4000 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| GE 20000 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 18000 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 | 70.6 |
| GE 16000 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 14000 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 12000 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 10000 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 9000 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 8000 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 7000 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 6000 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 5000 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 4500 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4000 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 | 45.8 |
| GE 20000 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 18000 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 |
| GE 16000 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| GE 14000 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| GE 12000 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| GE 10000 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 9000 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 8000 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 7000 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 6000 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 5000 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4500 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 4000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 | 57.3 |
| GE 20000 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 18000 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 16000 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 14000 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 |
| GE 12000 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 10000 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| GE 9000 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 8000 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 7000 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 6000 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 5000 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4500 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 4000 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3000 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 | 61.2 |
| GE 20000 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| GE 18000 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| GE 16000 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 | 75.1 |
| GE 14000 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| GE 12000 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 10000 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 9000 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 8000 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 7000 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 6000 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 5000 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 4500 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 4000 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 3500 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 3000 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 | 59.0 |
| GE 20000 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 |
| GE 18000 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 16000 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 |
| GE 14000 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 | 69.0 |
| GE 12000 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 |
| GE 10000 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 9000 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 8000 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 7000 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 6000 | 94.5 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 5000 | 97.7 | 97.7 | 97.8 | 98.0 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 4500 | 98.0 | 98.0 | 98.2 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 4000 | 98.4 | 98.4 | 98.6 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 3500 | 98.5 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 3000 | 98.5 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 2500 | 99.0 | 99.0 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 2000 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1800 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1500 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 99.1 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 99.4 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM

PERIOD OF RECORD: NOV 81 - OCT 91

LST TO UTC: + 7

MONTH: AUG HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 60.5 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.8 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 | 60.9 |
| GE 20000 | 69.2 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.5 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 | 69.6 |
| GE 18000 | 69.5 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 |
| GE 16000 | 69.6 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 | 69.9 |
| GE 14000 | 71.4 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.6 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 12000 | 80.1 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 10000 | 87.8 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| GE 9000 | 88.0 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 8000 | 90.1 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| GE 7000 | 90.9 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 6000 | 94.3 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 5000 | 96.9 | 97.3 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 4500 | 97.7 | 98.2 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 4000 | 98.2 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 3500 | 98.5 | 98.9 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 3000 | 98.6 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2500 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2000 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1500 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1200 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 98.9 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 99.0 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.0 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.0 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.0 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.0 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.0 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 63.4 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.5 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 | 63.7 |
| GE 20000 | 70.6 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| GE 18000 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 16000 | 70.9 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 14000 | 73.5 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 12000 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| GE 10000 | 89.8 | 89.9 | 89.9 | 90.0 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 9000 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 8000 | 92.0 | 92.2 | 92.2 | 92.3 | 92.3 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| GE 7000 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 6000 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 5000 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 4500 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 4000 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 3500 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 3000 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 2500 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 2000 | 98.7 | 98.8 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 98.7 | 98.8 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1500 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1200 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1000 | 98.8 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 98.8 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 98.8 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 98.8 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.0 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 20000 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 18000 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 16000 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 14000 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| GE 12000 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 10000 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 9000 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 8000 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 7000 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 6000 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 5000 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 4500 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 4000 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 3500 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 3000 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2500 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 2000 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1800 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1500 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 | 64.7 |
| GE 20000 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 |
| GE 18000 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 16000 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 |
| GE 14000 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 12000 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 10000 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 9000 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| GE 8000 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 7000 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 6000 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 5000 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 4500 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 4000 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 3500 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 3000 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2000 | 98.8 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 98.8 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1500 | 99.1 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 99.1 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.2 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 | 47.4 |
| GE 20000 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| GE 18000 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 16000 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| GE 14000 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 |
| GE 12000 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 10000 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 9000 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 8000 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 7000 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 6000 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 5000 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 |
| GE 4500 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 |
| GE 4000 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 3500 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 3000 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| GE 2500 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| GE 2000 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1800 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1500 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1200 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 1000 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 900 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 800 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 700 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 600 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 500 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 400 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 | 47.6 |
| GE 20000 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 | 67.3 |
| GE 18000 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 16000 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 |
| GE 14000 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| GE 12000 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 |
| GE 10000 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 9000 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| GE 8000 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 7000 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 6000 | 96.5 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 5000 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 4500 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 4000 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 3500 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 3000 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2500 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2000 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1500 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1200 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 | 57.8 |
| GE 20000 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 |
| GE 18000 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 16000 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 14000 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| GE 12000 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 10000 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 9000 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 8000 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 7000 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 6000 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 5000 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 4500 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 4000 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 3500 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 3000 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2500 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 2000 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1800 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1500 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.1 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 | 59.2 |
| GE 20000 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| GE 18000 | 71.9 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 16000 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 | 72.0 |
| GE 14000 | 74.5 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 | 74.6 |
| GE 12000 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 10000 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 9000 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 8000 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 7000 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| GE 6000 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 5000 | 97.6 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 4500 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 4000 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3500 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 3000 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 2500 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 2000 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1800 | 99.1 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1500 | 99.2 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.4 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.4 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| GE 20000 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| GE 18000 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 16000 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| GE 14000 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| GE 12000 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 10000 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 9000 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 8000 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 7000 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 6000 | 95.0 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 5000 | 96.9 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 4500 | 97.0 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 4000 | 97.9 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3500 | 98.4 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 3000 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 2500 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 2000 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1800 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1500 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1200 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 99.3 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 | 75.9 |
| GE 20000 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 |
| GE 18000 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 16000 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| GE 14000 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 12000 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 10000 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| GE 9000 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| GE 8000 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 7000 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 6000 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 5000 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 4500 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 4000 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 3500 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 3000 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 2500 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 2000 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1800 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1500 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1000 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CHIL | 73.3 | 73.4 | 73.4 | 73.4 | 73.6 | 73.6 | 73.7 | 73.7 | 73.7 | 73.7 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 | 73.8 |
| GE 20000 | 78.6 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 18000 | 78.6 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 16000 | 78.7 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| GE 14000 | 79.1 | 79.2 | 79.2 | 79.2 | 79.3 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| GE 12000 | 82.7 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 10000 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| GE 9000 | 87.7 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 8000 | 90.8 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 7000 | 91.6 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 6000 | 94.8 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 5000 | 95.1 | 95.3 | 95.3 | 95.4 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 4500 | 95.1 | 95.3 | 95.3 | 95.4 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 4000 | 95.9 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.4 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 3500 | 96.3 | 96.6 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 3000 | 96.4 | 96.8 | 96.9 | 97.0 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 2500 | 97.0 | 97.3 | 97.4 | 97.6 | 97.7 | 97.7 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 2000 | 97.4 | 97.8 | 97.9 | 98.0 | 98.1 | 98.1 | 98.3 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1800 | 97.9 | 98.2 | 98.3 | 98.4 | 98.6 | 98.6 | 98.8 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1500 | 98.1 | 98.4 | 98.6 | 98.7 | 98.8 | 98.8 | 99.0 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 98.3 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.2 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 98.6 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 100 | 98.6 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.6 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.6 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| GE 20000 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 18000 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 16000 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| GE 14000 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| GE 12000 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 10000 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 9000 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 8000 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 7000 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 6000 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 5000 | 96.1 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 4500 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 4000 | 97.3 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 3500 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 3000 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 2500 | 98.2 | 98.2 | 98.4 | 98.4 | 98.6 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2000 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1800 | 98.6 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1500 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 900 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 99.2 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 99.3 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.3 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.3 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.3 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.3 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.3 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.3 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.3 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: SEP HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 69.1 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| GE 20000 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 18000 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 16000 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 |
| GE 14000 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 12000 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 10000 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| GE 9000 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 8000 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 7000 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 6000 | 93.9 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| GE 5000 | 97.0 | 97.1 | 97.1 | 97.1 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 4500 | 97.3 | 97.4 | 97.4 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 4000 | 98.4 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 3500 | 98.6 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3000 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 2500 | 98.9 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 2000 | 99.3 | 99.4 | 99.4 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 64.3 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 | 64.4 |
| GE 20000 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| GE 18000 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 |
| GE 16000 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| GE 14000 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 12000 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 10000 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| GE 9000 | 89.8 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 8000 | 91.8 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 7000 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 6000 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 5000 | 98.1 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 4500 | 98.2 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 4000 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 3500 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 3000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 2000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1800 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1200 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.6 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 | 70.7 |
| GE 20000 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 18000 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| GE 16000 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 14000 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 12000 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 10000 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| GE 9000 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 8000 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 7000 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 6000 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| GE 5000 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 4500 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 4000 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 3500 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 3000 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 2500 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 2000 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1500 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1200 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 | 73.2 |
| GE 20000 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 18000 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 16000 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 14000 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| GE 12000 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 10000 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 9000 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 8000 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| GE 7000 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 6000 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 5000 | 97.7 | 97.7 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 4500 | 97.8 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 4000 | 98.4 | 98.4 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 3500 | 98.6 | 98.6 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 3000 | 98.9 | 98.9 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 2500 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 2000 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1800 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1500 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1200 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 72.0 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| GE 20000 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| GE 18000 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 16000 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 14000 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 12000 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 10000 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 9000 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 8000 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 7000 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 6000 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| GE 5000 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 4500 | 97.0 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 4000 | 97.9 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 3500 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 3000 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2500 | 98.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2000 | 99.0 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 99.1 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1500 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | 99.3 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 99.4 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 |
| GE 20000 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 18000 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 16000 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 14000 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 12000 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 10000 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 |
| GE 9000 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 |
| GE 8000 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 7000 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 6000 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 5000 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 4500 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 4000 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 3500 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 3000 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 2500 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 2000 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1800 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1500 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1200 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 900 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 800 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 99.2 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 99.2 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 99.2 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 99.2 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 99.2 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.2 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.2 | 99.2 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.3 |
| GE 20000 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.1 |
| GE 18000 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.1 |
| GE 16000 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.1 |
| GE 14000 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.3 |
| GE 12000 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.6 |
| GE 10000 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.5 |
| GE 9000 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.5 |
| GE 8000 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.7 |
| GE 7000 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.2 |
| GE 6000 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 94.0 |
| GE 5000 | 95.1 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.7 |
| GE 4500 | 96.1 | 96.1 | 96.2 | 96.2 | 96.3 | 96.3 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.8 |
| GE 4000 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.4 |
| GE 3500 | 97.0 | 97.0 | 97.1 | 97.1 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.7 |
| GE 3000 | 97.4 | 97.4 | 97.5 | 97.5 | 97.7 | 97.7 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.2 |
| GE 2500 | 98.1 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 |
| GE 2000 | 98.1 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 |
| GE 1800 | 98.1 | 98.1 | 98.2 | 98.2 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 |
| GE 1500 | 98.1 | 98.1 | 98.2 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 |
| GE 1200 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 |
| GE 1000 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 |
| GE 900 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 |
| GE 800 | 98.1 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 |
| GE 700 | 98.3 | 98.3 | 98.6 | 98.7 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 |
| GE 600 | 98.3 | 98.3 | 98.6 | 98.7 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 |
| GE 500 | 98.3 | 98.3 | 98.6 | 98.7 | 98.9 | 98.9 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 |
| GE 400 | 98.3 | 98.3 | 98.6 | 98.9 | 99.1 | 99.1 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 |
| GE 300 | 98.3 | 98.3 | 98.6 | 98.9 | 99.1 | 99.1 | 99.2 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 |
| GE 200 | 98.4 | 98.4 | 98.7 | 99.0 | 99.2 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 100 | 98.4 | 98.4 | 98.7 | 99.0 | 99.2 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 000 | 98.4 | 98.4 | 98.7 | 99.0 | 99.2 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.2 |
| GE 20000 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.8 |
| GE 18000 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 82.0 |
| GE 16000 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 82.0 |
| GE 14000 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.5 |
| GE 12000 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 |
| GE 10000 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.8 |
| GE 9000 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.4 |
| GE 8000 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.2 |
| GE 7000 | 91.5 | 91.5 | 91.6 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 92.0 |
| GE 6000 | 93.3 | 93.3 | 93.4 | 93.5 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.9 |
| GE 5000 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.5 |
| GE 4500 | 96.5 | 96.5 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.0 |
| GE 4000 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.8 |
| GE 3500 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 98.0 |
| GE 3000 | 97.7 | 97.7 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.4 |
| GE 2500 | 97.7 | 97.7 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.5 |
| GE 2000 | 98.0 | 98.0 | 98.2 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 |
| GE 1800 | 98.1 | 98.1 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 |
| GE 1500 | 98.1 | 98.1 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 |
| GE 1200 | 98.2 | 98.2 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.0 |
| GE 1000 | 98.2 | 98.2 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 99.1 |
| GE 900 | 98.3 | 98.3 | 98.5 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.4 |
| GE 800 | 98.3 | 98.3 | 98.5 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.4 |
| GE 700 | 98.3 | 98.3 | 98.5 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.5 |
| GE 600 | 98.3 | 98.3 | 98.5 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.6 |
| GE 500 | 98.3 | 98.3 | 98.5 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.7 |
| GE 400 | 98.3 | 98.3 | 98.5 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.8 |
| GE 300 | 98.3 | 98.3 | 98.5 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.8 |
| GE 200 | 98.3 | 98.3 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.9 |
| GE 100 | 98.3 | 98.3 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 100.0 |
| GE 000 | 98.3 | 98.3 | 98.5 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| GE 20000 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 18000 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 16000 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 14000 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 12000 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| GE 10000 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| GE 9000 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 8000 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 7000 | 93.4 | 93.4 | 93.5 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 6000 | 94.2 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 5000 | 95.6 | 95.6 | 95.8 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| GE 4500 | 96.5 | 96.5 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 4000 | 96.8 | 96.8 | 97.0 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 3500 | 97.2 | 97.2 | 97.4 | 97.7 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 3000 | 97.8 | 97.8 | 98.1 | 98.4 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | 98.0 | 98.0 | 98.2 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 2000 | 98.0 | 98.0 | 98.2 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 1800 | 98.1 | 98.1 | 98.3 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 1500 | 98.2 | 98.2 | 98.4 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1200 | 98.3 | 98.3 | 98.5 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1000 | 98.5 | 98.5 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 900 | 98.5 | 98.5 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 800 | 98.5 | 98.5 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 700 | 98.6 | 98.6 | 98.8 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 98.6 | 98.6 | 98.9 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 98.6 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.6 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.6 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.6 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.6 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.6 | 98.7 | 99.0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 | 73.3 |
| GE 20000 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 18000 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 16000 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| GE 14000 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| GE 12000 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 10000 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 9000 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 8000 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 7000 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 6000 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 5000 | 95.5 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 4500 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 4000 | 97.5 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 3500 | 97.5 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 3000 | 97.7 | 97.7 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 2500 | 97.7 | 97.7 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 2000 | 98.1 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 1800 | 98.3 | 98.3 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1500 | 98.7 | 98.7 | 98.9 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 1200 | 99.0 | 99.0 | 99.2 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1000 | 99.0 | 99.0 | 99.2 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 900 | 99.1 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 800 | 99.1 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 700 | 99.1 | 99.1 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 99.2 | 99.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 99.2 | 99.2 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 99.4 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.4 | 99.6 | 99.6 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 |
| GE 20000 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| GE 18000 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 16000 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 14000 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| GE 12000 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 10000 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 9000 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 8000 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| GE 7000 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 6000 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| GE 5000 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 4500 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 4000 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 3500 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 3000 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2500 | 98.9 | 98.9 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2000 | 99.1 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1800 | 99.1 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1500 | 99.1 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 1000 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.2 | 99.4 | 99.7 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 929

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| GE 20000 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| GE 18000 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 16000 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| GE 14000 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| GE 12000 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| GE 10000 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 9000 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 8000 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 7000 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| GE 6000 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| GE 5000 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 4500 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 4000 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 3500 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 3000 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2500 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 2000 | 99.0 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 99.2 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1500 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1200 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 1000 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.4 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| GE 20000 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| GE 18000 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 16000 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| GE 14000 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 12000 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| GE 10000 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 9000 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 8000 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 7000 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| GE 6000 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 5000 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 4500 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 4000 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 3500 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 3000 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| GE 2500 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 2000 | 98.9 | 99.2 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1800 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 1500 | 99.0 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 1200 | 99.1 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 900 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 800 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 700 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 600 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 500 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.1 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 927

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.9 |
| GE 20000 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 |
| GE 18000 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 16000 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.2 |
| GE 14000 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 |
| GE 12000 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 |
| GE 10000 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 |
| GE 9000 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| GE 8000 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 |
| GE 7000 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| GE 6000 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 |
| GE 5000 | 95.8 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 |
| GE 4500 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 4000 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| GE 3500 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 |
| GE 3000 | 98.0 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 |
| GE 2500 | 98.3 | 98.4 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 2000 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| GE 1800 | 98.6 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1500 | 98.7 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| GE 1200 | 98.8 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 1000 | 98.8 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| GE 900 | 98.9 | 99.0 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 800 | 98.9 | 99.0 | 99.1 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 700 | 98.9 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 98.9 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| GE 500 | 98.9 | 99.1 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 400 | 98.9 | 99.1 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 300 | 98.9 | 99.1 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 200 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 100 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 000 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7433

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 77.6 | 77.6 | 77.7 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 |
| GE 20000 | 84.4 | 84.4 | 84.6 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 |
| GE 18000 | 84.6 | 84.6 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.0 | 85.0 |
| GE 16000 | 84.7 | 84.7 | 84.8 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 |
| GE 14000 | 86.4 | 86.4 | 86.6 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.9 | 86.9 |
| GE 12000 | 88.0 | 88.0 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 |
| GE 10000 | 89.8 | 89.8 | 89.9 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.3 |
| GE 9000 | 90.0 | 90.0 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.6 |
| GE 8000 | 90.9 | 90.9 | 91.0 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.4 |
| GE 7000 | 91.8 | 91.8 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.3 |
| GE 6000 | 93.0 | 93.0 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.6 |
| GE 5000 | 94.8 | 94.8 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.3 |
| GE 4500 | 94.9 | 94.9 | 95.0 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.4 |
| GE 4000 | 95.9 | 95.9 | 96.0 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.6 |
| GE 3500 | 95.9 | 95.9 | 96.0 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.4 | 96.6 |
| GE 3000 | 96.3 | 96.3 | 96.4 | 96.6 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.1 |
| GE 2500 | 96.3 | 96.3 | 96.4 | 96.6 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.1 |
| GE 2000 | 96.6 | 96.6 | 96.7 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.3 |
| GE 1800 | 96.7 | 96.7 | 96.8 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.4 |
| GE 1500 | 96.8 | 96.8 | 96.9 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.6 |
| GE 1200 | 97.1 | 97.2 | 97.3 | 97.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 |
| GE 1000 | 97.1 | 97.2 | 97.3 | 97.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 |
| GE 900 | 97.1 | 97.2 | 97.3 | 97.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 |
| GE 800 | 97.1 | 97.2 | 97.3 | 97.6 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.3 |
| GE 700 | 97.4 | 97.6 | 97.7 | 97.9 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.8 |
| GE 600 | 97.4 | 97.6 | 97.7 | 97.9 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.9 |
| GE 500 | 97.4 | 97.6 | 97.7 | 97.9 | 98.4 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.1 |
| GE 400 | 97.4 | 97.6 | 97.7 | 97.9 | 98.4 | 98.6 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 |
| GE 300 | 97.4 | 97.6 | 97.7 | 97.9 | 98.6 | 98.7 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3 |
| GE 200 | 97.4 | 97.6 | 97.7 | 97.9 | 98.6 | 98.7 | 98.9 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.6 | 99.7 | 99.8 |
| GE 100 | 97.4 | 97.6 | 97.7 | 97.9 | 98.6 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.9 | 100.0 |
| GE 000 | 97.4 | 97.6 | 97.7 | 97.9 | 98.6 | 98.7 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 78.3 | 78.3 | 78.7 | 78.7 | 78.7 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 79.2 |
| GE 20000 | 84.7 | 84.7 | 85.0 | 85.0 | 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.6 |
| GE 18000 | 84.7 | 84.7 | 85.0 | 85.0 | 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.6 |
| GE 16000 | 84.7 | 84.7 | 85.0 | 85.0 | 85.0 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.6 |
| GE 14000 | 85.4 | 85.4 | 85.8 | 85.8 | 85.8 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.3 |
| GE 12000 | 87.0 | 87.0 | 87.3 | 87.3 | 87.3 | 87.4 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.9 |
| GE 10000 | 89.0 | 89.0 | 89.3 | 89.3 | 89.3 | 89.4 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.9 |
| GE 9000 | 89.3 | 89.3 | 89.7 | 89.7 | 89.7 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.2 |
| GE 8000 | 90.3 | 90.3 | 90.7 | 90.7 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.2 |
| GE 7000 | 91.1 | 91.1 | 91.4 | 91.4 | 91.4 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 92.0 |
| GE 6000 | 92.7 | 92.7 | 93.0 | 93.0 | 93.0 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.7 |
| GE 5000 | 93.7 | 93.7 | 94.0 | 94.0 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.7 |
| GE 4500 | 94.3 | 94.3 | 94.7 | 94.7 | 94.7 | 94.8 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.3 |
| GE 4000 | 95.6 | 95.6 | 96.0 | 96.0 | 96.0 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.7 |
| GE 3500 | 95.7 | 95.7 | 96.1 | 96.1 | 96.1 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.8 |
| GE 3000 | 95.9 | 95.9 | 96.4 | 96.4 | 96.4 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 97.1 |
| GE 2500 | 96.2 | 96.2 | 96.8 | 96.8 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.4 |
| GE 2000 | 96.7 | 96.7 | 97.2 | 97.2 | 97.2 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.9 |
| GE 1800 | 96.7 | 96.7 | 97.2 | 97.2 | 97.2 | 97.3 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.9 |
| GE 1500 | 97.0 | 97.0 | 97.6 | 97.6 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.2 |
| GE 1200 | 97.2 | 97.2 | 97.8 | 97.8 | 97.8 | 97.9 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.6 |
| GE 1000 | 97.3 | 97.3 | 97.9 | 97.9 | 97.9 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 |
| GE 900 | 97.3 | 97.3 | 97.9 | 97.9 | 97.9 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 |
| GE 800 | 97.3 | 97.3 | 97.9 | 97.9 | 98.0 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 99.0 |
| GE 700 | 97.3 | 97.3 | 97.9 | 97.9 | 98.0 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 99.0 |
| GE 600 | 97.7 | 97.7 | 98.2 | 98.2 | 98.3 | 98.6 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 |
| GE 500 | 97.7 | 97.7 | 98.2 | 98.2 | 98.4 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 |
| GE 400 | 97.7 | 97.7 | 98.2 | 98.2 | 98.4 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 |
| GE 300 | 97.7 | 97.7 | 98.2 | 98.2 | 98.4 | 98.7 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 |
| GE 200 | 97.7 | 97.7 | 98.2 | 98.2 | 98.4 | 98.7 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 |
| GE 100 | 97.7 | 97.7 | 98.2 | 98.2 | 98.4 | 98.7 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |
| GE 000 | 97.7 | 97.7 | 98.2 | 98.2 | 98.4 | 98.7 | 99.3 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

D - 2 - 92

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 75.6 | 75.7 | 76.0 | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 |
| 20000 | 82.2 | 82.3 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 |
| 18000 | 82.3 | 82.4 | 82.8 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 |
| 16000 | 82.4 | 82.6 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.2 |
| 14000 | 83.8 | 83.9 | 84.2 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.6 |
| 12000 | 85.9 | 86.0 | 86.3 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 |
| 10000 | 88.6 | 88.7 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.3 |
| 9000 | 88.8 | 88.9 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.6 |
| 8000 | 90.2 | 90.3 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 |
| 7000 | 91.2 | 91.3 | 91.7 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 |
| 6000 | 91.7 | 91.8 | 92.1 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 |
| 5000 | 93.3 | 93.4 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 |
| 4500 | 94.3 | 94.4 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 |
| 4000 | 95.6 | 95.7 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 |
| 3500 | 96.2 | 96.3 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 |
| 3000 | 96.9 | 97.0 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 |
| 2500 | 97.0 | 97.1 | 97.4 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| 2000 | 97.2 | 97.3 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 |
| 1800 | 97.2 | 97.3 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 |
| 1500 | 97.2 | 97.3 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 |
| 1200 | 97.2 | 97.3 | 97.9 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 |
| 1000 | 97.3 | 97.4 | 98.0 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| 900 | 97.3 | 97.4 | 98.0 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| 800 | 97.3 | 97.4 | 98.0 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| 700 | 97.4 | 97.8 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 |
| 600 | 97.7 | 98.0 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| 500 | 97.8 | 98.1 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| 400 | 97.8 | 98.2 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| 300 | 97.8 | 98.2 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| 200 | 97.8 | 98.2 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 |
| 100 | 97.8 | 98.2 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |
| 000 | 97.8 | 98.2 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 75.1 | 75.1 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 |
| GE 20000 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| GE 18000 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 16000 | 81.8 | 81.8 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| GE 14000 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 12000 | 85.4 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| GE 10000 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| GE 9000 | 88.1 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| GE 8000 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 7000 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| GE 6000 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| GE 5000 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| GE 4500 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 4000 | 95.6 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 3500 | 95.9 | 96.0 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 3000 | 96.8 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 2500 | 96.9 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 2000 | 97.2 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1800 | 97.2 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 1500 | 97.3 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 1200 | 97.8 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1000 | 97.9 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| GE 900 | 98.0 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 800 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 700 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 600 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 500 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| GE 200 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| GE 100 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |
| GE 000 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 | 73.0 |
| GE 20000 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| GE 18000 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| GE 16000 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| GE 14000 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 12000 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| GE 10000 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 9000 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 8000 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| GE 7000 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| GE 6000 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 5000 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 4500 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 4000 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 3500 | 96.0 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 3000 | 96.3 | 96.4 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 2500 | 96.7 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 2000 | 97.2 | 97.4 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1800 | 97.2 | 97.4 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 1500 | 97.3 | 97.7 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1200 | 97.9 | 98.2 | 98.4 | 98.4 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1000 | 98.1 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| GE 900 | 98.3 | 98.7 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 800 | 98.4 | 98.8 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 98.6 | 98.9 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 600 | 98.6 | 98.9 | 99.3 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 500 | 98.6 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 98.6 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 98.6 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 98.6 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.6 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.6 | 99.0 | 99.4 | 99.6 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 15-17

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 |
| GE 20000 | 82.6 | 82.6 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 |
| GE 18000 | 83.7 | 83.7 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 16000 | 83.7 | 83.7 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 |
| GE 14000 | 84.7 | 84.7 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| GE 12000 | 86.1 | 86.1 | 86.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 10000 | 89.6 | 89.6 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 9000 | 89.6 | 89.6 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| GE 8000 | 91.9 | 91.9 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| GE 7000 | 92.4 | 92.4 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| GE 6000 | 94.0 | 94.0 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| GE 5000 | 95.2 | 95.2 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 4500 | 96.1 | 96.1 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| GE 4000 | 96.9 | 96.9 | 97.2 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 3500 | 96.9 | 96.9 | 97.2 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 3000 | 96.9 | 96.9 | 97.2 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 2500 | 97.0 | 97.1 | 97.4 | 97.7 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 2000 | 97.3 | 97.4 | 97.8 | 98.0 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| GE 1800 | 97.6 | 97.7 | 98.0 | 98.2 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 1500 | 97.9 | 98.0 | 98.4 | 98.7 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 1200 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 1000 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 900 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 800 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 700 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 600 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 500 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 400 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 300 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 200 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 98.4 | 98.6 | 99.0 | 99.2 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 |
| GE 20000 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 |
| GE 18000 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 16000 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| GE 14000 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| GE 12000 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 10000 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 9000 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| GE 8000 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| GE 7000 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 6000 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 5000 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| GE 4500 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| GE 4000 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 3500 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| GE 3000 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 2500 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 2000 | 98.0 | 98.0 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 1800 | 98.2 | 98.2 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 1500 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1200 | 98.9 | 98.9 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 99.1 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 900 | 99.2 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 800 | 99.2 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 700 | 99.2 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 600 | 99.2 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 500 | 99.2 | 99.2 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 400 | 99.2 | 99.2 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 300 | 99.2 | 99.2 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 99.2 | 99.2 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 100 | 99.2 | 99.2 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| GE 000 | 99.2 | 99.2 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 77.4 | 77.4 | 77.6 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| GE 20000 | 86.0 | 86.0 | 86.1 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 18000 | 86.6 | 86.6 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| GE 16000 | 86.7 | 86.7 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 14000 | 87.0 | 87.0 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 12000 | 88.9 | 88.9 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| GE 10000 | 90.3 | 90.3 | 90.4 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| GE 9000 | 90.4 | 90.4 | 90.6 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| GE 8000 | 92.4 | 92.4 | 92.6 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 7000 | 93.0 | 93.0 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 6000 | 93.7 | 93.7 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| GE 5000 | 95.4 | 95.4 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| GE 4500 | 95.8 | 95.8 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| GE 4000 | 97.0 | 97.0 | 97.1 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 3500 | 97.0 | 97.0 | 97.1 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| GE 3000 | 97.1 | 97.1 | 97.2 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 2500 | 97.1 | 97.1 | 97.3 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| GE 2000 | 97.4 | 97.4 | 97.7 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 1800 | 97.4 | 97.4 | 97.7 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 1500 | 97.9 | 97.9 | 98.1 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| GE 1200 | 98.1 | 98.1 | 98.3 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| GE 1000 | 98.1 | 98.1 | 98.3 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 900 | 98.3 | 98.3 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| GE 800 | 98.4 | 98.4 | 98.7 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 700 | 98.4 | 98.4 | 98.7 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 600 | 98.4 | 98.4 | 98.7 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| GE 500 | 98.4 | 98.4 | 98.7 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 400 | 98.4 | 98.4 | 98.7 | 99.1 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| GE 300 | 98.4 | 98.4 | 98.7 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 200 | 98.4 | 98.4 | 98.7 | 99.2 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| GE 100 | 98.4 | 98.4 | 98.7 | 99.2 | 99.4 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 000 | 98.4 | 98.4 | 98.7 | 99.2 | 99.4 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 900

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: NOV HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 75.1 | 75.1 | 75.3 | 75.3 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 |
| GE 20000 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| GE 18000 | 83.9 | 83.9 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 |
| GE 16000 | 84.0 | 84.0 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 |
| GE 14000 | 85.1 | 85.1 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 |
| GE 12000 | 87.0 | 87.0 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 |
| GE 10000 | 89.4 | 89.5 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| GE 9000 | 89.6 | 89.6 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 |
| GE 8000 | 91.1 | 91.1 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 |
| GE 7000 | 91.8 | 91.8 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 |
| GE 6000 | 93.0 | 93.0 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 |
| GE 5000 | 94.5 | 94.5 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 |
| GE 4500 | 95.3 | 95.3 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 |
| GE 4000 | 96.2 | 96.3 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 |
| GE 3500 | 96.4 | 96.4 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 |
| GE 3000 | 96.7 | 96.8 | 97.0 | 97.1 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| GE 2500 | 96.9 | 96.9 | 97.2 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| GE 2000 | 97.2 | 97.3 | 97.6 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| GE 1800 | 97.3 | 97.3 | 97.6 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| GE 1500 | 97.5 | 97.6 | 97.9 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| GE 1200 | 97.8 | 97.9 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 |
| GE 1000 | 97.9 | 98.0 | 98.4 | 98.5 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 |
| GE 900 | 98.0 | 98.1 | 98.5 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| GE 800 | 98.1 | 98.2 | 98.5 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| GE 700 | 98.2 | 98.3 | 98.6 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| GE 600 | 98.3 | 98.4 | 98.7 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| GE 500 | 98.3 | 98.4 | 98.8 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 400 | 98.3 | 98.4 | 98.8 | 98.9 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| GE 300 | 98.3 | 98.4 | 98.8 | 99.0 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 200 | 98.3 | 98.4 | 98.8 | 99.0 | 99.3 | 99.3 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| GE 100 | 98.3 | 98.4 | 98.8 | 99.0 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| GE 000 | 98.3 | 98.4 | 98.8 | 99.0 | 99.3 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7200

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 00-02

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.4 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 | 73.7 |
| GE 20000 | 79.8 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 79.9 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| GE 18000 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 16000 | 80.2 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| GE 14000 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| GE 12000 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| GE 10000 | 85.4 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 9000 | 85.4 | 85.6 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| GE 8000 | 86.3 | 86.6 | 86.6 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| GE 7000 | 86.7 | 86.9 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 6000 | 89.0 | 89.2 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 5000 | 91.2 | 91.4 | 91.4 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| GE 4500 | 91.8 | 92.0 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| GE 4000 | 92.8 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| GE 3500 | 93.2 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 3000 | 93.7 | 93.9 | 94.0 | 94.3 | 94.3 | 94.3 | 94.4 | 94.5 | 94.5 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| GE 2500 | 94.2 | 94.4 | 94.5 | 94.8 | 94.8 | 94.8 | 94.9 | 95.1 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| GE 2000 | 94.6 | 94.8 | 94.9 | 95.3 | 95.3 | 95.3 | 95.4 | 95.5 | 95.5 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 1800 | 94.8 | 95.1 | 95.2 | 95.5 | 95.6 | 95.6 | 95.7 | 95.8 | 95.8 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| GE 1500 | 94.9 | 95.2 | 95.3 | 95.6 | 95.7 | 95.7 | 95.8 | 95.9 | 95.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| GE 1200 | 95.2 | 95.4 | 95.5 | 95.8 | 96.0 | 96.0 | 96.3 | 96.5 | 96.5 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| GE 1000 | 95.3 | 95.5 | 95.6 | 95.9 | 96.1 | 96.1 | 96.5 | 96.6 | 96.6 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| GE 900 | 95.4 | 95.6 | 95.7 | 96.0 | 96.2 | 96.2 | 96.6 | 96.7 | 96.7 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| GE 800 | 95.4 | 95.6 | 95.7 | 96.2 | 96.5 | 96.5 | 96.8 | 96.9 | 96.9 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 |
| GE 700 | 95.4 | 95.5 | 95.7 | 96.2 | 96.5 | 96.5 | 96.8 | 97.0 | 97.0 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 |
| GE 600 | 95.4 | 95.6 | 95.7 | 96.2 | 96.5 | 96.5 | 96.8 | 97.0 | 97.0 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 |
| GE 500 | 95.4 | 95.6 | 95.7 | 96.2 | 96.5 | 96.5 | 96.8 | 97.0 | 97.0 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| GE 400 | 95.4 | 95.6 | 95.7 | 96.2 | 96.5 | 96.5 | 96.8 | 97.0 | 97.0 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 98.0 |
| GE 300 | 95.5 | 95.7 | 96.1 | 96.3 | 97.1 | 97.1 | 97.4 | 97.6 | 97.6 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.8 |
| GE 200 | 95.5 | 95.7 | 96.1 | 96.9 | 97.2 | 97.2 | 97.5 | 98.0 | 98.0 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 99.0 | 99.5 |
| GE 100 | 95.5 | 95.8 | 96.2 | 97.0 | 97.3 | 97.3 | 97.6 | 98.4 | 98.4 | 98.8 | 99.1 | 99.1 | 99.4 | 99.4 | 99.6 | 100.0 |
| GE 000 | 95.5 | 95.8 | 96.2 | 97.0 | 97.3 | 97.3 | 97.6 | 98.4 | 98.4 | 98.8 | 99.1 | 99.1 | 99.4 | 99.4 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 93)

D - 2 - 100

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 03-05

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 |
| 20000 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 |
| 18000 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 |
| 16000 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 |
| 14000 | 78.9 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 |
| 12000 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 |
| 10000 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 |
| 9000 | 84.1 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 |
| 8000 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 |
| 7000 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 |
| 6000 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 88.0 | 88.0 | 88.0 | 88.0 |
| 5000 | 89.1 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 |
| 4500 | 90.4 | 90.5 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 |
| 4000 | 91.4 | 91.5 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| 3500 | 91.9 | 92.0 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 |
| 3000 | 92.4 | 92.6 | 93.1 | 93.3 | 93.4 | 93.4 | 93.4 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 |
| 2500 | 92.5 | 92.7 | 93.2 | 93.4 | 93.7 | 93.7 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 |
| 2000 | 93.0 | 93.2 | 93.8 | 94.0 | 94.2 | 94.2 | 94.3 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 |
| 1800 | 93.2 | 93.4 | 94.0 | 94.2 | 94.4 | 94.4 | 94.4 | 94.5 | 94.7 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 |
| 1500 | 93.4 | 93.7 | 94.2 | 94.4 | 94.6 | 94.6 | 94.8 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 |
| 1200 | 93.4 | 93.7 | 94.3 | 94.5 | 94.7 | 94.7 | 95.1 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 |
| 1000 | 93.8 | 94.0 | 94.6 | 94.8 | 95.2 | 95.2 | 95.5 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 |
| 900 | 93.8 | 94.0 | 94.6 | 94.8 | 95.2 | 95.2 | 95.5 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 |
| 800 | 93.8 | 94.0 | 94.7 | 94.9 | 95.3 | 95.3 | 95.6 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 |
| 700 | 94.1 | 94.3 | 95.1 | 95.3 | 95.6 | 95.7 | 96.1 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| 600 | 94.1 | 94.3 | 95.1 | 95.3 | 95.6 | 95.7 | 96.1 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 |
| 500 | 94.2 | 94.5 | 95.3 | 95.6 | 95.9 | 96.0 | 96.5 | 96.8 | 96.8 | 97.1 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 |
| 400 | 94.3 | 94.6 | 95.4 | 95.7 | 96.0 | 96.1 | 96.6 | 96.9 | 96.9 | 97.2 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.7 |
| 300 | 94.5 | 94.9 | 95.7 | 96.2 | 96.7 | 96.8 | 97.4 | 97.7 | 97.7 | 98.1 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.8 |
| 200 | 94.5 | 94.9 | 95.7 | 96.2 | 96.7 | 96.8 | 97.5 | 97.8 | 97.8 | 98.2 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.1 |
| 100 | 94.5 | 94.9 | 95.7 | 96.2 | 96.8 | 97.0 | 97.7 | 98.3 | 98.3 | 98.7 | 99.2 | 99.2 | 99.7 | 99.7 | 99.7 | 99.9 |
| 000 | 94.5 | 94.9 | 95.7 | 96.2 | 96.8 | 97.0 | 97.7 | 98.3 | 98.3 | 98.7 | 99.2 | 99.2 | 99.7 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 06-08

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 69.6 | 69.8 | 69.8 | 69.9 | 69.9 | 69.9 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 | 70.4 | 70.5 |
| GE 20000 | 76.0 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.9 | 77.0 |
| GE 18000 | 76.2 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.9 | 76.9 | 77.1 | 77.2 |
| GE 16000 | 76.2 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.7 | 76.8 | 76.8 | 76.8 | 76.8 | 76.8 | 76.9 | 76.9 | 77.1 | 77.2 |
| GE 14000 | 78.4 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 | 79.0 | 79.2 | 79.4 |
| GE 12000 | 80.2 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.6 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 81.1 | 81.2 |
| GE 10000 | 82.3 | 82.5 | 82.5 | 82.6 | 82.6 | 82.6 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 83.1 | 83.2 |
| GE 9000 | 82.4 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.2 | 83.3 |
| GE 8000 | 83.3 | 83.5 | 83.5 | 83.7 | 83.7 | 83.7 | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.2 | 84.3 |
| GE 7000 | 83.8 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.6 | 84.7 |
| GE 6000 | 84.6 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.5 | 85.6 |
| GE 5000 | 86.5 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.9 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.4 | 87.5 |
| GE 4500 | 87.8 | 88.1 | 88.1 | 88.3 | 88.3 | 88.3 | 88.4 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.9 | 89.0 |
| GE 4000 | 89.5 | 89.7 | 89.7 | 89.9 | 89.9 | 89.9 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.5 | 90.6 |
| GE 3500 | 90.8 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.8 | 91.9 |
| GE 3000 | 91.7 | 92.2 | 92.2 | 92.5 | 92.5 | 92.5 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 93.1 | 93.2 |
| GE 2500 | 92.0 | 92.5 | 92.6 | 92.9 | 92.9 | 92.9 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.5 | 93.7 |
| GE 2000 | 92.7 | 93.1 | 93.2 | 93.5 | 93.5 | 93.5 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.1 | 94.3 | 94.4 |
| GE 1800 | 92.9 | 93.3 | 93.4 | 93.8 | 93.8 | 93.8 | 93.9 | 94.1 | 94.1 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.5 | 94.6 |
| GE 1500 | 93.1 | 93.5 | 93.7 | 94.0 | 94.0 | 94.0 | 94.1 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.5 | 94.7 | 94.8 |
| GE 1200 | 93.4 | 93.9 | 94.0 | 94.3 | 94.4 | 94.4 | 94.5 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 95.2 | 95.3 |
| GE 1000 | 93.7 | 94.1 | 94.2 | 94.5 | 94.7 | 94.7 | 94.8 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.4 | 95.4 | 95.6 | 95.7 |
| GE 900 | 93.7 | 94.1 | 94.2 | 94.5 | 94.7 | 94.7 | 94.8 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.4 | 95.4 | 95.6 | 95.7 |
| GE 800 | 94.0 | 94.4 | 94.5 | 94.8 | 95.2 | 95.2 | 95.3 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.8 | 95.9 | 96.1 | 96.2 |
| GE 700 | 94.2 | 94.6 | 95.1 | 95.4 | 95.7 | 95.7 | 95.8 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.5 | 96.6 | 96.8 | 96.9 |
| GE 600 | 94.2 | 94.6 | 95.1 | 95.4 | 95.7 | 95.7 | 95.8 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.5 | 96.6 | 96.8 | 97.0 |
| GE 500 | 94.2 | 94.6 | 95.2 | 95.5 | 95.8 | 95.8 | 95.9 | 96.3 | 96.3 | 96.6 | 96.7 | 96.7 | 97.1 | 97.2 | 97.4 | 97.6 |
| GE 400 | 94.3 | 94.7 | 95.3 | 95.6 | 95.9 | 95.9 | 96.0 | 96.5 | 96.5 | 96.7 | 97.0 | 97.0 | 97.4 | 97.5 | 97.7 | 98.0 |
| GE 300 | 94.4 | 94.8 | 95.4 | 95.7 | 96.0 | 96.0 | 96.5 | 96.9 | 96.9 | 97.1 | 97.4 | 97.4 | 98.1 | 98.2 | 98.4 | 98.6 |
| GE 200 | 94.4 | 94.8 | 95.5 | 95.8 | 96.2 | 96.3 | 96.9 | 97.5 | 97.5 | 97.7 | 98.2 | 98.2 | 98.8 | 98.9 | 99.1 | 99.5 |
| GE 100 | 94.5 | 94.9 | 95.6 | 95.9 | 96.3 | 96.6 | 97.1 | 97.7 | 97.7 | 98.0 | 98.4 | 98.4 | 99.0 | 99.1 | 99.4 | 99.8 |
| GE 000 | 94.5 | 94.9 | 95.6 | 95.9 | 96.3 | 96.6 | 97.1 | 97.7 | 97.7 | 98.0 | 98.4 | 98.4 | 99.0 | 99.1 | 99.4 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 09-11

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 67.0 | 67.1 | 67.1 | 67.1 | 67.2 | 67.2 | 67.2 | 67.2 | 67.2 | 67.4 | 67.4 | 67.4 | 67.4 | 67.4 | 67.5 | 67.8 |
| GE 20000 | 74.7 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 75.2 | 75.2 | 75.2 | 75.2 | 75.2 | 75.3 | 75.6 |
| GE 18000 | 75.1 | 75.2 | 75.2 | 75.2 | 75.3 | 75.3 | 75.3 | 75.3 | 75.3 | 75.5 | 75.5 | 75.5 | 75.5 | 75.5 | 75.6 | 75.9 |
| GE 16000 | 75.2 | 75.3 | 75.3 | 75.3 | 75.4 | 75.4 | 75.4 | 75.4 | 75.4 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 76.0 |
| GE 14000 | 77.4 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 78.0 | 78.3 |
| GE 12000 | 79.0 | 79.1 | 79.1 | 79.1 | 79.2 | 79.2 | 79.2 | 79.2 | 79.2 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.6 | 79.9 |
| GE 10000 | 81.2 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.7 | 82.0 |
| GE 9000 | 81.3 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 | 82.2 |
| GE 8000 | 82.9 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.8 |
| GE 7000 | 83.9 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.7 |
| GE 6000 | 84.8 | 84.9 | 84.9 | 84.9 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.7 |
| GE 5000 | 87.0 | 87.1 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 88.0 |
| GE 4500 | 88.4 | 88.5 | 88.6 | 88.6 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.5 |
| GE 4000 | 90.0 | 90.1 | 90.3 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.3 |
| GE 3500 | 90.6 | 90.8 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.9 |
| GE 3000 | 91.8 | 91.9 | 92.2 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.9 | 93.2 |
| GE 2500 | 92.2 | 92.3 | 92.5 | 92.5 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 | 93.7 |
| GE 2000 | 92.9 | 93.1 | 93.3 | 93.4 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.6 | 94.9 |
| GE 1800 | 93.1 | 93.3 | 93.5 | 93.7 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.8 | 95.2 |
| GE 1500 | 93.4 | 93.7 | 93.9 | 94.0 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.7 |
| GE 1200 | 93.7 | 93.9 | 94.1 | 94.3 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 95.5 | 95.6 | 95.6 | 95.7 | 95.7 | 95.8 | 96.1 |
| GE 1000 | 94.1 | 94.3 | 94.5 | 94.7 | 95.4 | 95.5 | 95.6 | 95.7 | 95.7 | 96.2 | 96.3 | 96.3 | 96.5 | 96.5 | 96.6 | 96.9 |
| GE 900 | 94.3 | 94.6 | 94.8 | 95.1 | 95.7 | 95.8 | 95.9 | 96.0 | 96.0 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.9 | 97.2 |
| GE 800 | 94.3 | 94.6 | 94.9 | 95.2 | 95.8 | 96.0 | 96.2 | 96.3 | 96.3 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.6 |
| GE 700 | 94.3 | 94.6 | 94.9 | 95.2 | 95.8 | 96.0 | 96.2 | 96.3 | 96.3 | 96.9 | 97.1 | 97.1 | 97.2 | 97.2 | 97.3 | 97.6 |
| GE 600 | 94.3 | 94.6 | 94.9 | 95.3 | 96.0 | 96.2 | 96.6 | 96.7 | 96.7 | 97.2 | 97.4 | 97.4 | 97.5 | 97.5 | 97.7 | 98.2 |
| GE 500 | 94.4 | 94.8 | 95.2 | 95.5 | 96.2 | 96.5 | 96.8 | 97.0 | 97.0 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 98.1 | 98.5 |
| GE 400 | 94.4 | 94.8 | 95.3 | 95.6 | 96.5 | 96.8 | 97.1 | 97.4 | 97.4 | 98.0 | 98.3 | 98.3 | 98.4 | 98.4 | 98.6 | 99.0 |
| GE 300 | 94.5 | 94.9 | 95.4 | 95.7 | 96.6 | 96.9 | 97.4 | 97.7 | 97.7 | 98.3 | 98.6 | 98.6 | 98.8 | 98.8 | 99.0 | 99.5 |
| GE 200 | 94.5 | 94.9 | 95.4 | 95.7 | 96.6 | 96.9 | 97.4 | 97.8 | 97.8 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 99.1 | 99.7 |
| GE 100 | 94.5 | 94.9 | 95.4 | 95.7 | 96.6 | 96.9 | 97.4 | 98.2 | 98.2 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.5 | 100.0 |
| GE 000 | 94.5 | 94.9 | 95.4 | 95.7 | 96.6 | 96.9 | 97.4 | 98.2 | 98.2 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.5 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 12-14

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 | 70.2 |
| GE 20000 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| GE 18000 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 16000 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 14000 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| GE 12000 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 |
| GE 10000 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| GE 9000 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| GE 8000 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| GE 7000 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| GE 6000 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| GE 5000 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| GE 4500 | 91.5 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| GE 4000 | 92.8 | 92.8 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| GE 3500 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| GE 3000 | 94.3 | 94.4 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| GE 2500 | 94.4 | 94.5 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| GE 2000 | 94.6 | 94.7 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 |
| GE 1800 | 94.7 | 94.8 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 |
| GE 1500 | 95.3 | 95.4 | 95.9 | 95.9 | 96.1 | 96.1 | 96.1 | 96.3 | 96.3 | 96.5 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 |
| GE 1200 | 95.4 | 95.5 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.5 | 96.5 | 96.6 | 96.8 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 |
| GE 1000 | 95.9 | 96.0 | 96.6 | 96.6 | 96.9 | 96.9 | 97.0 | 97.3 | 97.3 | 97.5 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 |
| GE 900 | 96.0 | 96.1 | 96.7 | 96.7 | 97.0 | 97.0 | 97.1 | 97.4 | 97.4 | 97.6 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 |
| GE 800 | 96.1 | 96.2 | 96.8 | 96.8 | 97.1 | 97.1 | 97.2 | 97.5 | 97.5 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 |
| GE 700 | 96.2 | 96.3 | 96.9 | 96.9 | 97.2 | 97.2 | 97.4 | 97.7 | 97.7 | 98.1 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 |
| GE 600 | 96.2 | 96.3 | 96.9 | 96.9 | 97.4 | 97.4 | 97.6 | 98.1 | 98.1 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 |
| GE 500 | 96.3 | 96.5 | 97.0 | 97.0 | 97.5 | 97.5 | 97.7 | 98.2 | 98.2 | 98.5 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 400 | 96.5 | 96.6 | 97.2 | 97.3 | 97.8 | 97.8 | 98.1 | 98.5 | 98.5 | 98.8 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 96.7 | 96.8 | 97.4 | 97.5 | 98.1 | 98.1 | 98.3 | 98.7 | 98.7 | 99.0 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| GE 200 | 96.7 | 96.8 | 97.4 | 97.5 | 98.1 | 98.1 | 98.3 | 98.7 | 98.7 | 99.0 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 100 | 96.7 | 96.8 | 97.4 | 97.5 | 98.1 | 98.1 | 98.3 | 98.7 | 98.7 | 99.0 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 |
| GE 000 | 96.7 | 96.8 | 97.4 | 97.5 | 98.1 | 98.1 | 98.3 | 98.7 | 98.7 | 99.0 | 99.7 | 99.7 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

PERATING LOCATION "A"
SAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

TATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 15-17

| EILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| O CEIL | 67.8 | 68.0 | 68.1 | 68.1 | 68.2 | 68.2 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 |
| E 20000 | 77.0 | 77.1 | 77.2 | 77.2 | 77.3 | 77.3 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 | 77.5 |
| E 18000 | 78.0 | 78.1 | 78.2 | 78.2 | 78.3 | 78.3 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| E 16000 | 78.1 | 78.2 | 78.3 | 78.3 | 78.4 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| E 14000 | 80.5 | 80.6 | 80.8 | 80.8 | 80.9 | 80.9 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| E 12000 | 83.0 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| E 10000 | 86.0 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| E 9000 | 86.0 | 86.1 | 86.2 | 86.2 | 86.3 | 86.3 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| E 8000 | 86.7 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| E 7000 | 87.6 | 87.7 | 87.8 | 87.8 | 88.0 | 88.0 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| E 6000 | 89.4 | 89.5 | 89.6 | 89.6 | 89.7 | 89.7 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| E 5000 | 90.6 | 90.8 | 91.1 | 91.1 | 91.2 | 91.2 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| E 4500 | 91.3 | 91.4 | 91.8 | 91.8 | 91.9 | 91.9 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| E 4000 | 93.7 | 93.8 | 94.3 | 94.3 | 94.4 | 94.4 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| E 3500 | 94.1 | 94.2 | 94.7 | 94.7 | 94.8 | 94.8 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| E 3000 | 94.9 | 95.1 | 95.8 | 95.8 | 95.9 | 95.9 | 96.3 | 96.3 | 96.3 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| E 2500 | 95.2 | 95.3 | 96.0 | 96.0 | 96.1 | 96.1 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| E 2000 | 95.6 | 95.7 | 96.5 | 96.5 | 96.6 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 |
| E 1800 | 95.6 | 95.7 | 96.5 | 96.5 | 96.6 | 96.6 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 |
| E 1500 | 95.7 | 95.8 | 96.7 | 96.8 | 97.0 | 97.0 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1 | 98.2 |
| E 1200 | 95.8 | 95.9 | 96.8 | 96.9 | 97.1 | 97.1 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 98.2 | 98.2 | 98.2 | 98.3 |
| E 1000 | 95.8 | 95.9 | 96.8 | 96.9 | 97.2 | 97.2 | 97.7 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 |
| E 900 | 95.8 | 95.9 | 96.8 | 96.9 | 97.2 | 97.2 | 97.7 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 |
| E 800 | 95.8 | 95.9 | 96.8 | 96.9 | 97.2 | 97.2 | 97.7 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 |
| E 700 | 95.8 | 95.9 | 96.8 | 96.9 | 97.2 | 97.2 | 97.7 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 |
| E 600 | 95.8 | 95.9 | 96.8 | 96.9 | 97.2 | 97.2 | 97.7 | 98.0 | 98.0 | 98.0 | 98.3 | 98.3 | 98.6 | 98.6 | 98.6 | 98.7 |
| E 500 | 95.9 | 96.0 | 96.9 | 97.0 | 97.3 | 97.3 | 98.0 | 98.3 | 98.3 | 98.3 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 |
| E 400 | 96.0 | 96.1 | 97.0 | 97.2 | 97.8 | 97.8 | 98.6 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 |
| E 300 | 96.0 | 96.1 | 97.0 | 97.2 | 97.8 | 97.8 | 98.6 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 |
| E 200 | 96.0 | 96.1 | 97.0 | 97.2 | 97.8 | 97.8 | 98.6 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 |
| E 100 | 96.0 | 96.1 | 97.0 | 97.2 | 97.8 | 97.8 | 98.6 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 |
| E 000 | 96.0 | 96.1 | 97.0 | 97.2 | 97.8 | 97.8 | 98.6 | 99.1 | 99.1 | 99.1 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 18-20

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 69.6 | 69.6 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 | 69.7 |
| GE 20000 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| GE 18000 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| GE 16000 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| GE 14000 | 82.3 | 82.3 | 82.4 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| GE 12000 | 84.8 | 84.8 | 84.9 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| GE 10000 | 87.4 | 87.4 | 87.5 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| GE 9000 | 87.5 | 87.5 | 87.6 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| GE 8000 | 88.6 | 88.6 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| GE 7000 | 89.1 | 89.2 | 89.4 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| GE 6000 | 90.6 | 90.8 | 90.9 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| GE 5000 | 91.4 | 91.5 | 91.7 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| GE 4500 | 92.7 | 92.8 | 93.0 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| GE 4000 | 94.0 | 94.1 | 94.3 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| GE 3500 | 94.4 | 94.5 | 94.7 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| GE 3000 | 95.3 | 95.4 | 95.6 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| GE 2500 | 95.8 | 95.9 | 96.1 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| GE 2000 | 96.2 | 96.3 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.3 | 97.3 | 97.3 |
| GE 1800 | 96.3 | 96.5 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.4 | 97.4 | 97.4 |
| GE 1500 | 96.6 | 96.7 | 97.0 | 97.2 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.8 | 97.8 | 97.8 |
| GE 1200 | 96.8 | 96.9 | 97.2 | 97.4 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 98.1 | 98.1 | 98.1 |
| GE 1000 | 96.8 | 96.9 | 97.2 | 97.4 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.2 | 98.4 | 98.4 |
| GE 900 | 96.8 | 96.9 | 97.2 | 97.4 | 97.6 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.2 | 98.4 | 98.4 |
| GE 800 | 96.8 | 96.9 | 97.2 | 97.5 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.5 | 98.5 |
| GE 700 | 96.8 | 96.9 | 97.2 | 97.5 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.5 | 98.5 |
| GE 600 | 96.8 | 96.9 | 97.2 | 97.5 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.3 | 98.5 | 98.5 |
| GE 500 | 96.8 | 96.9 | 97.2 | 97.6 | 97.8 | 97.8 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.4 | 98.6 | 98.6 |
| GE 400 | 96.9 | 97.0 | 97.3 | 97.7 | 98.2 | 98.2 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.9 | 99.1 | 99.1 |
| GE 300 | 97.0 | 97.1 | 97.5 | 98.1 | 98.5 | 98.6 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.4 | 99.6 | 99.6 |
| GE 200 | 97.1 | 97.2 | 97.6 | 98.2 | 98.6 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 |
| GE 100 | 97.1 | 97.2 | 97.6 | 98.2 | 98.6 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.9 | 99.9 |
| GE 000 | 97.1 | 97.2 | 97.6 | 98.2 | 98.6 | 98.7 | 99.0 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: 21-23

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.9 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| GE 20000 | 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 18000 | 80.0 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| GE 16000 | 80.2 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| GE 14000 | 82.5 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 |
| GE 12000 | 85.1 | 85.2 | 85.3 | 85.3 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 |
| GE 10000 | 88.0 | 88.1 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 |
| GE 9000 | 88.0 | 88.1 | 88.2 | 88.2 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 |
| GE 8000 | 89.4 | 89.5 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 |
| GE 7000 | 89.8 | 89.9 | 90.0 | 90.0 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 |
| GE 6000 | 91.0 | 91.1 | 91.2 | 91.2 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 |
| GE 5000 | 92.3 | 92.4 | 92.5 | 92.5 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 |
| GE 4500 | 93.0 | 93.1 | 93.2 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 |
| GE 4000 | 93.7 | 93.8 | 93.9 | 93.9 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 |
| GE 3500 | 93.9 | 94.0 | 94.1 | 94.1 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 |
| GE 3000 | 95.1 | 95.2 | 95.3 | 95.3 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 |
| GE 2500 | 95.5 | 95.6 | 95.7 | 95.8 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 |
| GE 2000 | 95.7 | 95.8 | 95.9 | 96.0 | 96.5 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.9 | 96.9 |
| GE 1800 | 95.7 | 95.8 | 95.9 | 96.0 | 96.5 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.9 | 96.9 |
| GE 1500 | 95.7 | 95.8 | 95.9 | 96.0 | 96.5 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 |
| GE 1200 | 95.9 | 96.0 | 96.1 | 96.2 | 96.7 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 |
| GE 1000 | 96.1 | 96.2 | 96.3 | 96.5 | 96.9 | 97.0 | 97.2 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 |
| GE 900 | 96.2 | 96.3 | 96.5 | 96.6 | 97.0 | 97.1 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 98.0 |
| GE 800 | 96.2 | 96.3 | 96.5 | 96.6 | 97.0 | 97.1 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 98.0 |
| GE 700 | 96.2 | 96.3 | 96.5 | 96.6 | 97.0 | 97.1 | 97.3 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 98.0 |
| GE 600 | 96.2 | 96.3 | 96.5 | 96.6 | 97.0 | 97.1 | 97.4 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.1 |
| GE 500 | 96.2 | 96.3 | 96.5 | 96.6 | 97.0 | 97.1 | 97.4 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 |
| GE 400 | 96.5 | 96.6 | 96.7 | 96.8 | 97.5 | 97.6 | 98.0 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 |
| GE 300 | 96.6 | 96.7 | 96.8 | 96.9 | 97.7 | 97.8 | 98.2 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 |
| GE 200 | 96.6 | 96.7 | 96.8 | 96.9 | 97.7 | 97.8 | 98.5 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.4 | 99.4 | 99.5 |
| GE 100 | 96.6 | 96.7 | 96.8 | 96.9 | 97.8 | 98.0 | 98.6 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.8 |
| GE 000 | 96.6 | 96.7 | 96.8 | 96.9 | 97.8 | 98.0 | 98.6 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 930

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 70.1 | 70.2 | 70.3 | 70.3 | 70.3 | 70.3 | 70.3 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.4 | 70.5 | 70.5 |
| GE 20000 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 |
| GE 18000 | 78.4 | 78.5 | 78.5 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 |
| GE 16000 | 78.5 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 |
| GE 14000 | 80.5 | 80.6 | 80.6 | 80.7 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 81.0 |
| GE 12000 | 82.5 | 82.6 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.1 |
| GE 10000 | 84.9 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.5 |
| GE 9000 | 85.0 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 |
| GE 8000 | 86.1 | 86.2 | 86.3 | 86.3 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.7 |
| GE 7000 | 86.7 | 86.8 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 |
| GE 6000 | 88.2 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 |
| GE 5000 | 89.9 | 90.0 | 90.2 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.7 |
| GE 4500 | 90.9 | 91.0 | 91.2 | 91.3 | 91.3 | 91.3 | 91.4 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 |
| GE 4000 | 92.2 | 92.3 | 92.6 | 92.6 | 92.7 | 92.7 | 92.8 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 |
| GE 3500 | 92.8 | 92.9 | 93.1 | 93.2 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.7 |
| GE 3000 | 93.6 | 93.8 | 94.1 | 94.2 | 94.3 | 94.3 | 94.4 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.8 |
| GE 2500 | 94.0 | 94.1 | 94.4 | 94.6 | 94.7 | 94.7 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 |
| GE 2000 | 94.4 | 94.6 | 94.9 | 95.1 | 95.2 | 95.3 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.8 | 95.8 | 95.9 | 95.9 |
| GE 1800 | 94.6 | 94.7 | 95.1 | 95.2 | 95.4 | 95.4 | 95.5 | 95.6 | 95.6 | 95.7 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.1 |
| GE 1500 | 94.8 | 95.0 | 95.3 | 95.5 | 95.7 | 95.8 | 95.9 | 96.0 | 96.0 | 96.1 | 96.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.5 |
| GE 1200 | 94.9 | 95.1 | 95.5 | 95.7 | 96.0 | 96.0 | 96.2 | 96.3 | 96.3 | 96.4 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.8 |
| GE 1000 | 95.2 | 95.4 | 95.7 | 95.9 | 96.3 | 96.3 | 96.5 | 96.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.2 | 97.2 | 97.2 | 97.3 |
| GE 900 | 95.2 | 95.4 | 95.8 | 96.0 | 96.3 | 96.4 | 96.6 | 96.8 | 96.8 | 96.9 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.4 |
| GE 800 | 95.3 | 95.5 | 95.9 | 96.1 | 96.5 | 96.5 | 96.7 | 97.0 | 97.0 | 97.1 | 97.3 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 |
| GE 700 | 95.4 | 95.6 | 96.0 | 96.2 | 96.6 | 96.6 | 96.9 | 97.2 | 97.2 | 97.3 | 97.5 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 |
| GE 600 | 95.4 | 95.6 | 96.0 | 96.3 | 96.6 | 96.7 | 97.0 | 97.2 | 97.2 | 97.4 | 97.6 | 97.6 | 97.8 | 97.8 | 97.9 | 98.0 |
| GE 500 | 95.4 | 95.7 | 96.1 | 96.4 | 96.8 | 96.8 | 97.1 | 97.4 | 97.4 | 97.7 | 97.9 | 97.9 | 98.1 | 98.1 | 98.2 | 98.3 |
| GE 400 | 95.5 | 95.8 | 96.2 | 96.5 | 97.0 | 97.1 | 97.4 | 97.8 | 97.8 | 98.0 | 98.3 | 98.3 | 98.5 | 98.5 | 98.6 | 98.8 |
| GE 300 | 95.6 | 95.9 | 96.4 | 96.8 | 97.3 | 97.4 | 97.8 | 98.2 | 98.2 | 98.4 | 98.7 | 98.7 | 99.0 | 99.0 | 99.1 | 99.3 |
| GE 200 | 95.7 | 95.9 | 96.4 | 96.8 | 97.4 | 97.5 | 98.0 | 98.4 | 98.4 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.7 |
| GE 100 | 95.7 | 95.9 | 96.5 | 96.8 | 97.4 | 97.5 | 98.1 | 98.6 | 98.6 | 98.9 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 99.9 |
| GE 000 | 95.7 | 95.9 | 96.5 | 96.8 | 97.4 | 97.5 | 98.1 | 98.6 | 98.6 | 98.9 | 99.2 | 99.2 | 99.5 | 99.6 | 99.7 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 7440

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CEILING VERSUS VISIBILITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: ALL HOURS: ALL

| CEILING IN FEET | VISIBILITY IN STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------------|-----------------------------|---------|---------|---------|---------|-------------|---------|-------------|-------------|---------|-----------|-----------|-----------|-----------|-----------|---------|
| | GE 7 | GE 6 | GE 5 | GE 4 | GE 3 | GE 2 1/2 | GE 2 | GE 1 1/2 | GE 1 1/4 | GE 1 | GE 3/4 | GE 5/8 | GE 1/2 | GE 3/8 | GE 1/4 | GE 0 |
| NO CEIL | 71.0 | 71.0 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 | 71.3 |
| GE 20000 | 80.6 | 80.6 | 80.7 | 80.7 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 |
| GE 18000 | 81.0 | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 |
| GE 16000 | 81.1 | 81.2 | 81.2 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| GE 14000 | 82.6 | 82.7 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| GE 12000 | 85.9 | 85.9 | 86.0 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 |
| GE 10000 | 89.4 | 89.5 | 89.5 | 89.6 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 |
| GE 9000 | 89.7 | 89.8 | 89.9 | 89.9 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 |
| GE 8000 | 91.1 | 91.2 | 91.3 | 91.3 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 |
| GE 7000 | 91.6 | 91.6 | 91.7 | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 |
| GE 6000 | 93.7 | 93.8 | 93.9 | 93.9 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| GE 5000 | 95.5 | 95.6 | 95.7 | 95.8 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 |
| GE 4500 | 96.1 | 96.2 | 96.3 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 |
| GE 4000 | 96.9 | 97.0 | 97.1 | 97.2 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| GE 3500 | 97.1 | 97.2 | 97.4 | 97.5 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| GE 3000 | 97.6 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 |
| GE 2500 | 97.7 | 97.8 | 98.1 | 98.1 | 98.3 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 |
| GE 2000 | 97.9 | 98.1 | 98.3 | 98.4 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 |
| GE 1800 | 98.0 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| GE 1500 | 98.1 | 98.2 | 98.4 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| GE 1200 | 98.2 | 98.3 | 98.5 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| GE 1000 | 98.2 | 98.4 | 98.6 | 98.7 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| GE 900 | 98.3 | 98.4 | 98.6 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 800 | 98.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| GE 700 | 98.3 | 98.5 | 98.7 | 98.8 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| GE 600 | 98.3 | 98.5 | 98.7 | 98.9 | 99.1 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| GE 500 | 98.3 | 98.5 | 98.7 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| GE 400 | 98.4 | 98.5 | 98.8 | 98.9 | 99.1 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| GE 300 | 98.4 | 98.5 | 98.8 | 98.9 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| GE 200 | 98.4 | 98.5 | 98.8 | 99.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| GE 100 | 98.4 | 98.5 | 98.8 | 99.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| GE 000 | 98.4 | 98.5 | 98.8 | 99.0 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS: 87639

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN HOURS:ALL

| HOURS (LST) | AIRWAY CLASSES | | | | TOTAL OBSCURATION | GT 1/2 | PARTIAL OBSCURATION | TOTAL OBS |
|----------------|----------------|-----------|--------|----------|----------------------|-----------|------------------------|--------------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | | | |
| 00-02 | 37.7 | 32.8 | 17.7 | 11.2 | .5 | 29.5 | 2.3 | 930 |
| 03-05 | 37.4 | 30.1 | 17.1 | 14.4 | 1.0 | 32.5 | 2.7 | 930 |
| 06-08 | 21.5 | 40.1 | 26.9 | 9.7 | 1.8 | 38.4 | 2.5 | 930 |
| 09-11 | 14.4 | 41.8 | 33.3 | 8.8 | 1.6 | 43.8 | 1.9 | 930 |
| 12-14 | 12.0 | 42.9 | 32.2 | 12.0 | .9 | 45.1 | 1.9 | 930 |
| 15-17 | 12.3 | 43.8 | 33.8 | 9.7 | .5 | 44.0 | 2.3 | 930 |
| 18-20 | 22.7 | 41.3 | 24.3 | 11.0 | .8 | 36.0 | 1.1 | 930 |
| 21-23 | 33.2 | 37.6 | 14.8 | 13.9 | .4 | 29.1 | 1.3 | 930 |
| ALL HOURS | 23.9 | 38.8 | 25.0 | 11.3 | .9 | 37.3 | 2.0 | 7440 |

MONTH: FEB HOURS: ALL

| | | | | | | | | |
|--------------|------|------|------|------|-----|------|-----|------|
| 00-02 | 32.9 | 31.2 | 20.6 | 14.4 | .9 | 35.9 | .8 | 846 |
| 03-05 | 36.2 | 28.4 | 18.6 | 16.2 | .7 | 35.5 | 2.0 | 846 |
| 06-08 | 18.0 | 37.6 | 31.4 | 11.7 | 1.3 | 44.4 | 2.2 | 846 |
| 09-11 | 11.2 | 43.6 | 33.8 | 11.0 | .4 | 45.2 | 2.7 | 845 |
| 12-14 | 8.2 | 45.0 | 35.7 | 11.1 | | 46.8 | 4.0 | 846 |
| 15-17 | 5.0 | 45.3 | 39.2 | 10.5 | | 49.8 | 3.9 | 846 |
| 18-20 | 11.7 | 45.0 | 32.0 | 11.1 | .1 | 43.3 | 2.8 | 846 |
| 21-23 | 28.1 | 35.9 | 21.3 | 14.5 | .1 | 35.9 | .9 | 846 |
| ALL HOURS | 18.9 | 39.0 | 29.1 | 12.6 | .4 | 42.1 | 2.4 | 6767 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: MAR HOURS: ALL

| HOURS (LST) | AIRWAY CLASSES | | | | TOTAL OBSCURATION | GT 1/2 | PARTIAL OBSCURATION | TOTAL OBS |
|----------------|----------------|-----------|--------|----------|----------------------|-----------|------------------------|--------------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | | | |
| 00-02 | 33.8 | 35.5 | 21.2 | 9.5 | .1 | 30.8 | 1.5 | 930 |
| 03-05 | 35.4 | 35.7 | 17.6 | 11.0 | .3 | 28.9 | 1.3 | 930 |
| 06-08 | 17.3 | 44.3 | 30.2 | 7.6 | .5 | 38.4 | 1.0 | 930 |
| 09-11 | 13.0 | 46.5 | 31.8 | 8.3 | .4 | 40.5 | 2.0 | 930 |
| 12-14 | 7.0 | 47.3 | 36.5 | 8.9 | .3 | 45.7 | 4.4 | 930 |
| 15-17 | 5.7 | 45.6 | 37.4 | 11.1 | .2 | 48.7 | 6.8 | 930 |
| 18-20 | 12.2 | 43.9 | 34.9 | 9.0 | | 44.0 | 5.1 | 930 |
| 21-23 | 29.8 | 36.3 | 22.7 | 11.2 | | 33.9 | 3.1 | 930 |
| ALL HOURS | 19.3 | 41.9 | 29.0 | 9.6 | .2 | 38.9 | 3.1 | 7440 |

MONTH: APR HOURS: ALL

| | | | | | | | | |
|--------------|------|------|------|-----|----|------|-----|------|
| 00-02 | 41.8 | 32.4 | 16.1 | 9.2 | .4 | 25.8 | 2.3 | 900 |
| 03-05 | 34.9 | 41.3 | 14.4 | 9.2 | .1 | 23.8 | 2.2 | 900 |
| 06-08 | 17.3 | 49.4 | 25.6 | 7.7 | | 33.2 | 2.8 | 900 |
| 09-11 | 11.2 | 56.2 | 25.6 | 6.9 | .1 | 32.6 | 4.2 | 900 |
| 12-14 | 7.8 | 52.6 | 31.4 | 8.2 | | 39.7 | 6.3 | 900 |
| 15-17 | 6.0 | 52.1 | 32.9 | 8.7 | .3 | 41.9 | 8.3 | 900 |
| 18-20 | 11.7 | 50.9 | 32.2 | 4.9 | .3 | 37.4 | 7.3 | 900 |
| 21-23 | 34.1 | 38.3 | 18.9 | 8.3 | .3 | 27.6 | 2.7 | 900 |
| ALL HOURS | 20.6 | 46.7 | 24.6 | 7.9 | .2 | 32.7 | 4.5 | 7200 |

D - 3 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY HOURS:ALL

| HOURS (LST) | AIRWAY CLASSES | | | | GT 1/2 | PARTIAL OBSCURATION | TOTAL OBS |
|----------------|----------------|-----------|--------|----------|-----------|------------------------|--------------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | | |
| 00-02 | 40.0 | 37.7 | 14.4 | 7.8 | 22.3 | .3 | 930 |
| 03-05 | 35.6 | 42.0 | 15.6 | 6.8 | 22.4 | .3 | 930 |
| 06-08 | 20.6 | 52.3 | 22.6 | 4.5 | 27.1 | .3 | 930 |
| 09-11 | 15.5 | 58.6 | 21.6 | 4.3 | 25.9 | 1.0 | 930 |
| 12-14 | 9.7 | 59.8 | 25.3 | 5.3 | 30.5 | 2.8 | 930 |
| 15-17 | 7.4 | 54.7 | 32.0 | 5.8 | 37.8 | 3.7 | 930 |
| 18-20 | 9.4 | 56.3 | 28.6 | 5.7 | 34.3 | 2.8 | 930 |
| 21-23 | 33.9 | 40.4 | 18.0 | 7.7 | 25.7 | 1.1 | 930 |
| ALL HOURS | 21.5 | 50.2 | 22.3 | 6.0 | 28.3 | 1.5 | 7440 |

MONTH: JUN HOURS: ALL

| | | | | | | | |
|--------------|------|------|------|-----|------|-----|------|
| 00-02 | 35.4 | 40.0 | 17.0 | 7.6 | 24.6 | .2 | 900 |
| 03-05 | 26.6 | 48.9 | 20.0 | 4.4 | 24.5 | .4 | 899 |
| 06-08 | 16.6 | 55.3 | 25.0 | 3.1 | 28.1 | 1.0 | 900 |
| 09-11 | 8.1 | 66.7 | 22.8 | 2.4 | 25.2 | 1.1 | 900 |
| 12-14 | 2.9 | 68.9 | 26.2 | 2.0 | 28.2 | .8 | 900 |
| 15-17 | 2.0 | 58.2 | 35.3 | 4.4 | 39.8 | 1.6 | 900 |
| 18-20 | 5.4 | 51.4 | 36.7 | 6.4 | 43.1 | .7 | 900 |
| 21-23 | 25.1 | 45.7 | 20.4 | 8.8 | 29.2 | .3 | 900 |
| ALL HOURS | 15.3 | 54.4 | 25.4 | 4.9 | 30.3 | .8 | 7199 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL HOURS:ALL

| HOURS (LST) | AIRWAY CLASSES | | | | GT 1/2 | PARTIAL OBSCURATION | TOTAL OBS |
|----------------|----------------|-----------|--------|----------|-----------|------------------------|--------------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | | |
| 00-02 | 14.8 | 45.9 | 25.9 | 13.3 | 39.2 | | 930 |
| 03-05 | 10.9 | 52.6 | 28.3 | 8.3 | 36.6 | | 930 |
| 06-08 | 2.9 | 60.1 | 33.9 | 3.1 | 37.0 | .2 | 930 |
| 09-11 | .9 | 67.8 | 28.2 | 3.1 | 31.3 | .5 | 930 |
| 12-14 | | 57.6 | 40.4 | 1.9 | 42.4 | .9 | 930 |
| 15-17 | .3 | 36.7 | 60.2 | 2.8 | 63.0 | .3 | 930 |
| 18-20 | 1.0 | 36.0 | 57.6 | 5.4 | 63.0 | .2 | 930 |
| 21-23 | 9.0 | 42.0 | 34.2 | 14.7 | 48.9 | .3 | 930 |
| ALL HOURS | 5.0 | 49.9 | 38.6 | 6.6 | 45.2 | .3 | 7440 |

MONTH: AUG HOURS: ALL

| | | | | | | | |
|--------------|------|------|------|------|------|-----|------|
| 00-02 | 12.7 | 41.6 | 26.0 | 19.7 | 45.7 | .1 | 930 |
| 03-05 | 12.3 | 42.9 | 29.8 | 15.1 | 44.8 | .4 | 930 |
| 06-08 | 1.0 | 53.1 | 39.4 | 6.6 | 45.9 | 1.4 | 930 |
| 09-11 | .2 | 62.3 | 34.2 | 3.3 | 37.5 | 1.5 | 930 |
| 12-14 | | 58.8 | 38.6 | 2.6 | 41.2 | 1.6 | 930 |
| 15-17 | | 43.2 | 51.8 | 4.9 | 56.8 | .5 | 930 |
| 18-20 | .5 | 40.2 | 49.2 | 10.0 | 59.2 | .3 | 930 |
| 21-23 | 7.4 | 43.8 | 32.6 | 16.2 | 48.8 | | 930 |
| ALL HOURS | 4.3 | 48.2 | 37.7 | 9.8 | 47.5 | .7 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP HOURS:ALL

| HOURS (LST) | AIRWAY CLASSES | | | | GT 1/2 | PARTIAL OBSCURATION | TOTAL OBS |
|----------------|----------------|-----------|--------|----------|-----------|------------------------|--------------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | | |
| 00-02 | 31.6 | 35.9 | 20.0 | 12.6 | 32.6 | | 900 |
| 03-05 | 31.0 | 37.9 | 19.7 | 11.4 | 31.1 | | 900 |
| 06-08 | 11.6 | 52.8 | 25.7 | 10.0 | 35.7 | 1.0 | 900 |
| 09-11 | 8.0 | 61.7 | 23.3 | 7.0 | 30.3 | .6 | 900 |
| 12-14 | 2.8 | 60.6 | 31.6 | 5.1 | 36.7 | .6 | 900 |
| 15-17 | 3.2 | 56.3 | 35.3 | 5.1 | 40.4 | .3 | 900 |
| 18-20 | 10.0 | 56.0 | 28.3 | 5.7 | 34.0 | | 900 |
| 21-23 | 28.2 | 39.6 | 21.0 | 11.2 | 32.2 | .2 | 900 |
| ALL HOURS | 15.8 | 50.1 | 25.6 | 8.5 | 34.1 | .3 | 7200 |

MONTH: OCT HOURS: ALL

| | | | | | | | | |
|--------------|------|------|------|-----|----|------|-----|------|
| 00-02 | 41.6 | 35.4 | 14.9 | 8.1 | | 23.0 | .6 | 930 |
| 03-05 | 40.6 | 38.9 | 12.2 | 8.2 | .1 | 20.4 | .8 | 930 |
| 06-08 | 18.9 | 49.7 | 26.1 | 4.9 | .3 | 31.4 | 1.6 | 930 |
| 09-11 | 15.4 | 54.5 | 24.0 | 6.1 | | 30.1 | 1.5 | 930 |
| 12-14 | 8.1 | 56.5 | 28.8 | 6.7 | | 35.5 | 1.5 | 930 |
| 15-17 | 9.4 | 55.4 | 29.7 | 5.5 | | 35.2 | .2 | 929 |
| 18-20 | 24.8 | 45.5 | 23.1 | 6.6 | | 29.7 | .1 | 927 |
| 21-23 | 38.9 | 35.9 | 17.0 | 8.1 | | 25.1 | | 927 |
| ALL HOURS | 24.7 | 46.5 | 22.0 | 6.8 | .1 | 28.8 | .8 | 7433 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV HOURS:ALL

| HOURS (LST) | AIRWAY CLASSES | | | | TOTAL OBS |
|----------------|----------------|-----------|--------|----------|--------------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | |
| 00-02 | 43.9 | 28.7 | 15.8 | 11.4 | 900 |
| 03-05 | 46.0 | 28.2 | 12.7 | 13.1 | 900 |
| 06-08 | 19.3 | 49.6 | 23.3 | 7.6 | 900 |
| 09-11 | 13.7 | 51.4 | 27.0 | 7.7 | 900 |
| 12-14 | 12.9 | 50.6 | 28.8 | 7.8 | 900 |
| 15-17 | 13.4 | 49.1 | 29.4 | 8.0 | 900 |
| 18-20 | 28.2 | 37.7 | 22.9 | 11.2 | 900 |
| 21-23 | 40.6 | 30.8 | 17.9 | 10.7 | 900 |
| ALL HOURS | 27.3 | 40.8 | 22.2 | 9.7 | 7200 |

MONTH: DEC HOURS: ALL

| | | | | | |
|--------------|------|------|------|------|------|
| 00-02 | 40.0 | 28.7 | 14.6 | 15.3 | 930 |
| 03-05 | 38.8 | 28.9 | 14.1 | 16.6 | 930 |
| 06-08 | 20.5 | 41.1 | 21.0 | 15.4 | 930 |
| 09-11 | 13.3 | 41.8 | 30.4 | 13.5 | 930 |
| 12-14 | 10.2 | 45.4 | 31.2 | 12.5 | 930 |
| 15-17 | 11.3 | 43.8 | 32.0 | 12.7 | 930 |
| 18-20 | 25.3 | 37.0 | 21.2 | 16.1 | 930 |
| 21-23 | 36.1 | 29.8 | 14.8 | 18.4 | 930 |
| ALL HOURS | 24.4 | 37.1 | 22.4 | 15.1 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF SKY COVER
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: ALL HOURS: ALL

| HOURS (LST) | AIRWAY CLASSES | | | | TOTAL OBSCURATION | GT 1/2 | PARTIAL OBSCURATION | TOTAL OBS |
|----------------|----------------|-----------|--------|----------|----------------------|-----------|------------------------|--------------|
| | CLEAR | SCATTERED | BROKEN | OVERCAST | | | | |
| 00-02 | 33.8 | 35.5 | 18.7 | 11.7 | .3 | 30.7 | 1.0 | 10956 |
| 03-05 | 32.1 | 38.1 | 18.3 | 11.2 | .3 | 29.9 | 1.1 | 10955 |
| 06-08 | 15.4 | 48.8 | 27.6 | 7.6 | .5 | 35.7 | 1.5 | 10956 |
| 09-11 | 10.4 | 54.4 | 28.0 | 6.9 | .3 | 35.2 | 1.9 | 10955 |
| 12-14 | 6.8 | 53.8 | 32.2 | 7.0 | .2 | 39.4 | 2.4 | 10956 |
| 15-17 | 6.3 | 48.7 | 37.5 | 7.4 | .1 | 45.0 | 2.7 | 10955 |
| 18-20 | 13.6 | 45.1 | 32.6 | 8.6 | .1 | 41.4 | 1.8 | 10953 |
| 21-23 | 28.7 | 38.0 | 21.2 | 12.0 | .2 | 33.3 | 1.0 | 10953 |
| ALL HOURS | 18.4 | 45.3 | 27.0 | 9.0 | .3 | 36.3 | 1.7 | 87639 |

| | | | | |
|----------|-----------|-----------|-----------|------------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTTT | EEEEEEEEEE |
| PPPPPPPP | AAAAAAAA | RRRRRRRRR | TTTTTTTTT | EEEEEEEEEE |
| PP PP | AA AA | RR RR | TT | EE |
| PP PP | AA AA | RR RR | TT | EE |
| PPPPPPPP | AA AA | RRRRRRRRR | TT | EEEEEE |
| PPPPPPPP | AAAAAAAAA | RRRRRRRR | TT | EEEEEE |
| PP | AAAAAAAAA | RR RR | TT | EE |
| PP | AA AA | RR RR | TT | EE |
| PP | AA AA | RR RR | TT | EEEEEEEEEE |
| PP | AA AA | RR RR | TT | EEEEEEEEEE |

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PART E

TEMPERATURE AND RELATIVE HUMIDITY SUMMARIES

TEMPERATURE--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

THESE TABLES ARE CREATED FROM SUMMARY OF DAY DATA AND GIVE CUMULATIVE POF FOR MAXIMUM, MINIMUM, AND MEAN TEMPERATURES, RESPECTIVELY. DATA IS SUMMARIZED BY MONTH FOR ALL YEARS COMBINED. TOTALS ARE GIVEN FOR THE WHOLE YEAR. DATA IS DISPLAYED USING 5-DEGREE FAHRENHEIT INCREMENTS (GE 0, GE 5, GE 10, ETC).. THERE IS ONE SPECIAL THRESHOLD FOR "GE 33" DEGREES. MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

NOTE 1. BEGINNING IN JANUARY 1946, DAILY MAXIMUM AND MINIMUM TEMPERATURES CAME ROUTINELY FROM HOURLY OBSERVATIONS ON AWS FORMS 10/10A OR FROM AUTOMATED DATA COLLECTION FROM ALL USAF-OPERATED STATIONS. REFER TO THE "STATION HISTORY" PAGE FOR DETAILED INFORMATION ON REPORTING PRACTICES.

MONTHLY TEMPERATURES.

ALSO FROM SUMMARY OF DAY DATA, THE TABLES GIVE MONTHLY MAXIMUM AND MINIMUM TEMPERATURES BY MONTH AND BY YEAR. MONTHLY RECORD TEMPERATURES (MAX AND MIN) ARE GIVEN, ALONG WITH TOTAL OBSERVATIONS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

MEAN MONTHLY TEMPERATURE.

ALSO FROM SUMMARY OF DAY DATA, GIVES MONTHLY MEAN TEMPERATURE BY MONTH, FOR ALL MONTHS, AND FOR ALL YEARS. AN ASTERISK (*) INDICATES A VALUE FOR A MONTH FOR WHICH LESS THAN 90% OF THE DATA ARE AVAILABLE. AN ASTERISK ALSO DENOTES A YEAR(S) WITH ONE OR MORE MISSING AND/OR INCOMPLETE MONTHS.

DRY BULB, WET BULB, AND DEW POINT TEMPERATURES.

THESE TABLES ARE CREATED FROM HOURLY OBSERVATIONS--DATA IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS ARE GIVEN.

THE MEAN NUMBER OF HOURS WITH TEMPERATURES FOR VARIOUS THRESHOLDS ALSO APPEAR AS SPECIFIED IN EACH SUMMARY AND IN ACCORDANCE WITH AFM 88-29, "ENGINEERING WEATHER DATA," AND AWSP 105-56, "METEOROLOGICAL TECHNIQUES."

NOTE 1. WINTER WET BULB AND DEW POINT MEAN TEMPERATURES FOR VERY COLD STATIONS MUST BE USED WITH CAUTION. WHEN THE DRY BULB TEMPERATURE IS BELOW -35 DEGREES F, DEW POINT TEMPERATURES ARE NOT REPORTED (FMH-1B). AS A RESULT, WINTER MEAN DEW POINTS (AND MORE FREQUENTLY, WINTER MEAN WET BULB TEMPERATURES) ARE ACTUALLY LOWER THAN SHOWN IN THE TABLES. IN SOME HOUR GROUPS, IN FACT, MEAN WET BULB TEMPERATURES MAY ACTUALLY BE SHOWN AS EXCEEDING THE MEAN DRY BULB TEMPERATURES.

SPECIAL CAVEAT: DURING PART TIME PERIODS, THESE SUMMARIES REPRESENT THE "HIGH" AND "LOW" TEMPERATURES RECORDED AND NOT NECESSARILY THE ACTUAL MAXIMUM AND MINIMUM VALUES. THESE SUMMARIES ARE INFLUENCED BY THE ABSENCE OF NIGHTTIME TEMPERATURE READINGS. THEREFORE, CERTAIN SUMMARIES MAY DEPICT A SLIGHT "WARM" BIAS.

TEMPERATURE CONVERSIONS: $F = 1.8C + 32$

$C = K - 273.0$ (BEFORE 5 APRIL 77)

$C = K - 273.2$ (SINCE 5 APRIL 77)

RELATIVE HUMIDITY--CUMULATIVE PERCENT OCCURRENCE FREQUENCY (POF).

CREATED FROM HOURLY OBSERVATIONS, THESE TABLES GIVE POF OF RELATIVE HUMIDITY FOR 10% INCREMENTS. MEANS AND TOTAL OBSERVATION COUNTS ARE ALSO PROVIDED. THE DATA IS SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| TEMP (DEG-F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GE 105 | | | | | | 1.7 | .9 | .1 | | | | | .2 |
| GE 100 | | | | | .5 | 16.1 | 11.4 | 4.1 | .7 | | | | 2.7 |
| GE 95 | | | | .1 | 4.0 | 43.9 | 44.1 | 28.2 | 6.6 | | | | 10.6 |
| GE 90 | | | .2 | 1.8 | 23.2 | 76.0 | 76.7 | 65.5 | 29.5 | 1.1 | | | 22.8 |
| GE 85 | | | .8 | 11.9 | 52.4 | 91.3 | 92.3 | 86.7 | 60.0 | 10.4 | | | 33.8 |
| GE 80 | | .5 | 4.9 | 35.2 | 78.8 | 97.4 | 97.8 | 96.3 | 81.6 | 33.4 | .7 | | 43.9 |
| GE 75 | .1 | 3.2 | 18.7 | 60.5 | 91.3 | 99.1 | 99.4 | 98.9 | 92.2 | 59.8 | 6.8 | .1 | 52.6 |
| GE 70 | 3.0 | 14.4 | 39.3 | 79.9 | 97.3 | 99.7 | 99.9 | 99.9 | 96.9 | 80.1 | 26.9 | 2.4 | 61.6 |
| GE 65 | 11.8 | 30.6 | 61.0 | 90.7 | 99.0 | 100.0 | 100.0 | 99.9 | 98.4 | 90.3 | 49.2 | 10.9 | 70.1 |
| GE 60 | 29.2 | 54.1 | 77.7 | 96.4 | 99.8 | | | 100.0 | 99.2 | 96.9 | 67.4 | 29.2 | 79.1 |
| GE 55 | 52.2 | 73.3 | 89.4 | 98.8 | 100.0 | | | | 100.0 | 98.6 | 82.4 | 54.2 | 87.3 |
| GE 50 | 72.8 | 86.4 | 96.0 | 99.5 | | | | | | 99.4 | 92.9 | 75.6 | 93.5 |
| GE 45 | 85.5 | 94.4 | 98.5 | 99.8 | | | | | | 99.9 | 97.1 | 88.0 | 96.9 |
| GE 40 | 93.5 | 97.6 | 99.7 | 99.8 | | | | | | 100.0 | 99.3 | 95.1 | 98.7 |
| GE 35 | 97.4 | 99.3 | 99.9 | 100.0 | | | | | | | 99.5 | 98.7 | 99.6 |
| GE 33 | 98.1 | 99.4 | 99.9 | | | | | | | | 99.7 | 99.2 | 99.7 |
| GE 30 | 98.7 | 99.4 | 100.0 | | | | | | | | 99.7 | 99.5 | 99.8 |
| GE 25 | 99.5 | 99.8 | | | | | | | | | 100.0 | 99.9 | 99.9 |
| GE 20 | 99.9 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| GE 15 | 99.9 | | | | | | | | | | | | 100.0 |
| GE 10 | 99.9 | | | | | | | | | | | | 100.0 |
| GE 5 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 54.1 | 59.6 | 66.3 | 75.7 | 84.2 | 93.2 | 93.1 | 90.9 | 85.2 | 75.4 | 63.0 | 54.7 | 74.6 |
| SD | 9.22 | 9.13 | 8.98 | 8.06 | 6.87 | 6.29 | 5.71 | 5.73 | 7.19 | 7.80 | 8.86 | 8.35 | 16.18 |
| TOTAL OBS | 1488 | 1356 | 1457 | 1410 | 1457 | 1410 | 1488 | 1488 | 1470 | 1519 | 1470 | 1519 | 17532 |

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| TEMP (DEG-F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GE 80 | | | | | | .3 | .2 | | | | | | .0 |
| GE 75 | | | | | | 3.4 | 3.3 | 1.1 | .1 | | | | .7 |
| GE 70 | | | | | .9 | 16.5 | 31.7 | 19.5 | 2.4 | | | | 5.9 |
| GE 65 | | | | .4 | 4.8 | 43.6 | 79.4 | 64.6 | 17.1 | .5 | | | 17.6 |
| GE 60 | | | .1 | 3.5 | 20.0 | 72.3 | 98.2 | 95.3 | 50.7 | 4.7 | .1 | | 28.8 |
| GE 55 | .1 | .1 | 1.6 | 12.8 | 46.7 | 91.6 | 99.9 | 99.9 | 80.0 | 16.8 | .5 | | 37.6 |
| GE 50 | .5 | 1.3 | 6.7 | 31.8 | 75.9 | 98.9 | 100.0 | 100.0 | 94.3 | 39.8 | 4.1 | .5 | 46.2 |
| GE 45 | 2.6 | 5.7 | 18.3 | 54.7 | 90.6 | 99.8 | | | 99.0 | 67.6 | 11.0 | 3.4 | 54.5 |
| GE 40 | 8.1 | 16.5 | 40.9 | 77.4 | 97.6 | 100.0 | | | 99.9 | 87.9 | 26.4 | 8.8 | 63.7 |
| GE 35 | 20.1 | 35.0 | 63.3 | 92.6 | 99.5 | | | | 100.0 | 96.2 | 50.3 | 19.2 | 73.0 |
| GE 33 | 27.3 | 44.1 | 72.3 | 95.5 | 99.9 | | | | | 98.1 | 61.2 | 26.9 | 77.1 |
| GE 30 | 42.5 | 59.9 | 84.5 | 98.3 | 99.9 | | | | | 99.3 | 75.7 | 42.2 | 83.5 |
| GE 25 | 68.5 | 81.4 | 95.1 | 99.9 | 100.0 | | | | | 99.9 | 90.8 | 69.7 | 92.1 |
| GE 20 | 87.4 | 92.8 | 99.0 | 100.0 | | | | | | 100.0 | 97.8 | 88.5 | 97.1 |
| GE 15 | 95.8 | 98.5 | 99.8 | | | | | | | | 99.7 | 97.1 | 99.2 |
| GE 10 | 98.3 | 99.7 | 99.9 | | | | | | | | 99.9 | 99.3 | 99.8 |
| GE 5 | 99.2 | 99.9 | 100.0 | | | | | | | | 99.9 | 99.7 | 99.9 |
| GE 0 | 99.6 | 100.0 | | | | | | | | | 100.0 | 100.0 | 100.0 |
| GE -5 | 99.9 | | | | | | | | | | | | 100.0 |
| GE -10 | 99.9 | | | | | | | | | | | | 100.0 |
| GE -15 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 28.0 | 31.6 | 37.4 | 45.5 | 53.8 | 63.3 | 67.7 | 66.0 | 59.2 | 47.6 | 34.8 | 28.4 | 47.0 |
| SD | 8.28 | 8.09 | 7.89 | 7.65 | 6.79 | 6.26 | 3.89 | 3.88 | 5.74 | 7.06 | 7.89 | 7.79 | 15.86 |
| TOTAL OBS | 1488 | 1356 | 1457 | 1410 | 1457 | 1410 | 1488 | 1487 | 1470 | 1519 | 1470 | 1519 | 17531 |

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OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| TEMP (DEG-F) | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| GE 95 | | | | | | | .1 | | | | | | .0 |
| GE 90 | | | | | | 1.7 | .9 | | | | | | .2 |
| GE 85 | | | | | .1 | 12.7 | 16.7 | 6.5 | .5 | | | | 3.0 |
| GE 80 | | | | | 2.7 | 44.5 | 63.0 | 44.3 | 7.8 | | | | 13.6 |
| GE 75 | | | | .9 | 19.3 | 76.2 | 91.5 | 83.9 | 37.1 | 1.0 | | | 25.9 |
| GE 70 | | | .4 | 9.0 | 51.3 | 94.3 | 99.3 | 98.1 | 73.5 | 9.4 | | | 36.3 |
| GE 65 | | .1 | 3.6 | 32.1 | 80.0 | 99.2 | 100.0 | 99.9 | 91.6 | 35.5 | .8 | | 45.3 |
| GE 60 | .3 | 2.1 | 15.6 | 60.0 | 93.5 | 100.0 | | 100.0 | 97.9 | 66.6 | 5.7 | .3 | 53.6 |
| GE 55 | 2.9 | 10.5 | 39.2 | 82.0 | 98.6 | | | | 99.5 | 86.6 | 24.0 | 3.2 | 62.3 |
| GE 50 | 12.4 | 32.0 | 64.5 | 93.5 | 99.8 | | | | 100.0 | 95.7 | 50.2 | 13.0 | 71.7 |
| GE 45 | 34.1 | 58.8 | 84.7 | 98.4 | 100.0 | | | | | 98.9 | 74.9 | 33.3 | 81.8 |
| GE 40 | 63.5 | 80.6 | 94.7 | 99.7 | | | | | | 99.9 | 89.3 | 64.4 | 90.9 |
| GE 35 | 83.5 | 93.0 | 99.0 | 99.9 | | | | | | 99.9 | 97.7 | 86.2 | 96.6 |
| GE 33 | 88.6 | 96.1 | 99.3 | 100.0 | | | | | | 100.0 | 98.8 | 91.4 | 97.8 |
| GE 30 | 93.6 | 98.1 | 99.8 | | | | | | | | 99.7 | 96.1 | 98.9 |
| GE 25 | 97.2 | 99.3 | 100.0 | | | | | | | | 99.8 | 99.1 | 99.6 |
| GE 20 | 99.0 | 99.8 | | | | | | | | | 99.9 | 99.7 | 99.9 |
| GE 15 | 99.5 | 99.9 | | | | | | | | | 100.0 | 99.9 | 99.9 |
| GE 10 | 99.8 | 100.0 | | | | | | | | | | 100.0 | 100.0 |
| GE 5 | 99.9 | | | | | | | | | | | | 100.0 |
| GE 0 | 99.9 | | | | | | | | | | | | 100.0 |
| GE -5 | 100.0 | | | | | | | | | | | | 100.0 |
| MEAN | 41.3 | 45.7 | 52.1 | 60.8 | 69.2 | 78.5 | 80.6 | 78.6 | 72.4 | 61.7 | 49.1 | 41.7 | 61.0 |
| SD | 7.68 | 7.39 | 7.34 | 6.84 | 6.03 | 5.48 | 4.13 | 4.14 | 5.51 | 6.36 | 7.25 | 6.83 | 15.56 |
| TOTAL OBS | 1488 | 1356 | 1457 | 1410 | 1457 | 1410 | 1488 | 1487 | 1470 | 1519 | 1470 | 1519 | 17531 |

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 42 | | | | | | | | | 92 | 83 | 79 | 71 | 92* |
| 43 | 72 | 73 | 86 | 94 | 96 | 100 | 103 | 100 | 96 | 85 | 78 | 62 | 103 |
| 44 | 66 | 67 | 77 | 80 | 90 | 101 | 102 | 103 | 95 | 87 | 79 | 64 | 103 |
| 45 | 78 | 75 | 79 | 90 | 97 | 102 | 102 | 104 | 102 | 83 | 81 | 68 | 104 |
| 46 | 71 | 76 | | | | | 104 | 103 | 96 | 84 | 71 | 65 | 104* |
| 47 | | | | | | | | | | | 76 | 66 | 76* |
| 48 | 67 | 73 | 76 | 91 | 95 | 102 | 101 | 98 | 99 | 86 | 73 | 70 | 102 |
| 49 | 62 | 73 | 77 | 90 | 92 | 101 | 101 | 97 | 92 | 86 | 78 | 65 | 101 |
| 50 | 73 | 74 | 82 | 88 | 94 | 102 | 99 | 100 | 96 | 90 | 80 | 73 | 102 |
| 51 | 70 | 76 | 76 | 84 | 103 | 107 | 107 | 104 | 100 | 92 | 72 | 75 | 107 |
| 52 | 74 | 71 | 76 | 85 | 95 | 102 | 100 | 104 | 100 | 90 | 81 | 67 | 104 |
| 53 | 74 | 73 | 84 | 87 | 100 | 105 | 104 | 101 | 97 | 88 | 74 | 69 | 105 |
| 54 | 73 | 80 | 80 | 90 | 96 | 107 | 105 | 101 | 96 | 88 | 74 | 74 | 107 |
| 55 | 67 | 71 | 79 | 86 | 90 | 102 | 100 | 97 | 95 | 87 | 75 | 71 | 102 |
| 56 | 69 | 77 | 82 | 85 | 99 | 102 | 101 | 99 | 100 | 91 | 75 | 64 | 102 |
| 57 | 70 | 79 | 77 | 83 | 92 | 106 | 105 | 96 | 93 | 86 | 70 | 66 | 106 |
| 58 | 68 | 74 | 73 | 90 | 98 | 104 | 105 | 99 | 97 | 83 | 75 | 73 | 105 |
| 59 | 70 | 72 | 77 | 89 | 93 | 101 | 100 | 99 | 98 | 86 | 75 | 63 | 101 |
| 60 | 65 | 68 | 84 | 89 | 97 | 105 | 105 | 98 | 93 | 86 | 75 | 60 | 105 |
| 61 | 61 | 73 | 78 | 88 | 96 | 100 | 101 | 100 | 92 | 87 | 69 | 69 | 101 |
| 62 | 63 | 78 | 79 | 88 | 94 | 99 | 94 | 100 | 91 | 83 | 74 | 62 | 100 |
| 63 | 71 | 78 | 84 | 88 | 95 | 100 | 103 | 96 | 91 | 85 | 72 | 62 | 103 |
| 64 | 68 | 63 | 75 | 84 | 97 | 97 | 108 | 100 | 97 | 84 | 73 | 65 | 108 |
| 65 | 70 | 71 | 75 | 93 | 92 | 98 | 99 | 97 | 90 | 87 | 76 | 63 | 99 |
| 66 | 63 | 64 | 80 | 83 | 94 | 97 | 103 | 97 | 88 | 83 | 77 | 68 | 103 |
| 67 | 68 | 70 | 79 | 83 | 91 | 96 | 96 | 94 | 90 | 86 | 73 | 64 | 96 |
| 68 | 65 | 69 | 78 | 79 | 96 | 105 | 98 | 93 | 92 | 90 | 77 | 65 | 105 |
| 69 | 74 | 71 | 82 | 87 | 96 | 102 | 99 | 100 | 91 | 89 | 73 | 68 | 102 |
| 70 | 71 | 71 | 75 | 87 | 95 | 104 | 100 | 97 | 100 | 83 | 75 | 71 | 104 |
| 71 | 73 | 74 | 90 | 91 | 88 | 97 | 100 | 90 | 92 | 79 | 73 | 70 | 100 |
| 72 | 73 | 79 | 82 | 90 | 92 | 101 | 103 | 100 | 86 | 90 | 69 | 65 | 103 |
| 73 | 64 | 74 | 76 | 84 | 92 | 104 | 103 | 98 | 94 | 91 | 82 | 75 | 104 |
| 74 | 69 | 74 | 85 | 89 | 96 | 102 | 99 | 97 | 96 | 83 | 72 | 67 | 102 |
| 75 | 76 | 73 | 80 | 88 | 94 | 101 | 101 | 99 | 91 | 87 | 77 | 68 | 101 |

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MAXIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOWAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 76 | 65 | 74 | 77 | 85 | 95 | 101 | 96 | 106 | 93 | 80 | 70 | 60 | 106 |
| 77 | 60 | 75 | 76 | 88 | 96 | 107 | 102 | 104 | 97 | 88 | 78 | 74 | 107 |
| 78 | 67 | 72 | 85 | 85 | 96 | 105 | 103 | 99 | 90 | 85 | 75 | 68 | 105 |
| 79 | 63 | 75 | 76 | 86 | 90 | 102 | 105 | 96 | 98 | 91 | 75 | 72 | 105 |
| 80 | 70 | 74 | 73 | 87 | 92 | 107 | 103 | 103 | 94 | 89 | 79 | 69 | 107 |
| 81 | 65 | 72 | 78 | 89 | 92 | 109 | 103 | 96 | 92 | 81 | 73 | 69 | 109 |
| 82 | 65 | 75 | 80 | 87 | 94 | 101 | 102 | 97 | 99 | 87 | 73 | 65 | 102 |
| 83 | 61 | 69 | 82 | 82 | 90 | 101 | 103 | 96 | 98 | 86 | 76 | 65 | 103 |
| 84 | 65 | 70 | 79 | 87 | 99 | 97 | 100 | 96 | 95 | 81 | 77 | 65 | 100 |
| 85 | 64 | 71 | 81 | 85 | 95 | 103 | 103 | 99 | 95 | 84 | 74 | 67 | 103 |
| 86 | 70 | 81 | 81 | 86 | 91 | 95 | 96 | 94 | 88 | 82 | 74 | 65 | 96 |
| 87 | 69 | 70 | 76 | 90 | 88 | 102 | 102 | 98 | 92 | 88 | 76 | 70 | 102 |
| 88 | 65 | 75 | 84 | 85 | 95 | 99 | 98 | 99 | 94 | 86 | 84 | 65 | 99 |
| 89 | 66 | 83 | 91 | 95 | 101 | 105 | 107 | 98 | 95 | 90 | 76 | 67 | 107 |
| 90 | 66 | 71 | 82 | 89 | 94 | 107 | 95 | 95 | 91 | 84 | 76 | 66 | 107 |
| 91 | 61 | 72 | 78 | 88 | 94 | 104 | 96 | 95 | 92 | 87 | | | 104* |
| | | | | | | | | | | | | | |
| GREATEST | 78 | 83 | 91 | 95 | 103 | 109 | 108 | 106 | 102 | 92 | 84 | 75 | 109 |
| | | | | | | | | | | | | | |
| TOTAL OBS | 1488 | 1356 | 1457 | 1410 | 1457 | 1410 | 1488 | 1488 | 1470 | 1519 | 1470 | 1519 | 17532 |

THE GREATEST VALUE OF 109 OCCURRED ON 06/22/81

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 42 | | | | | | | | | 42 | 35 | 20 | 20 | 20* |
| 43 | 15 | 19 | 19 | 31 | 34 | 54 | 60 | 62 | 46 | 33 | 12 | 18 | 12 |
| 44 | 14 | 18 | 18 | 23 | 31 | 50 | 60 | 56 | 49 | 38 | 21 | 14 | 14 |
| 45 | 20 | 20 | 22 | 25 | 42 | 44 | 55 | 60 | 38 | 32 | 18 | 12 | 12 |
| 46 | 17 | 18 | | | | | 61 | 60 | 54 | 35 | 22 | 19 | 17* |
| 47 | | | | | | | | | | | 22 | 14 | 14* |
| 48 | -4 | 13 | 22 | 27 | 41 | 57 | 63 | 61 | 45 | 38 | 13 | 17 | -4 |
| 49 | 10 | 20 | 28 | 28 | 45 | 54 | 57 | 58 | 52 | 34 | 29 | 13 | 10 |
| 50 | 14 | 28 | 25 | 33 | 35 | 51 | 62 | 59 | 48 | 42 | 15 | 16 | 14 |
| 51 | 17 | 0 | 22 | 28 | 35 | 50 | 66 | 61 | 50 | 38 | 20 | 16 | 0 |
| 52 | 20 | 20 | 19 | 37 | 45 | 56 | 60 | 62 | 49 | 37 | 18 | 17 | 17 |
| 53 | 19 | 15 | 21 | 30 | 36 | 55 | 65 | 60 | 48 | 30 | 23 | 2 | 2 |
| 54 | 14 | 22 | 25 | 37 | 38 | 54 | 63 | 62 | 58 | 37 | 26 | 11 | 11 |
| 55 | 17 | 15 | 23 | 35 | 41 | 53 | 61 | 61 | 55 | 35 | 24 | 22 | 15 |
| 56 | 19 | 10 | 18 | 30 | 46 | 61 | 61 | 61 | 54 | 32 | 15 | 11 | 10 |
| 57 | 16 | 27 | 30 | 34 | 44 | 55 | 63 | 63 | 50 | 35 | 19 | 17 | 16 |
| 58 | 15 | 25 | 28 | 33 | 46 | 60 | 63 | 61 | 51 | 37 | 18 | 11 | 11 |
| 59 | 13 | 24 | 21 | 33 | 41 | 56 | 62 | 63 | 50 | 43 | 15 | 19 | 13 |
| 60 | 15 | 10 | 27 | 36 | 40 | 53 | 63 | 58 | 51 | 32 | 26 | 14 | 10 |
| 61 | 22 | 24 | 25 | 35 | 44 | 51 | 63 | 62 | 49 | 38 | 28 | 24 | 22 |
| 62 | -11 | 22 | 20 | 32 | 37 | 48 | 61 | 58 | 50 | 35 | 22 | 18 | -11 |
| 63 | 6 | 7 | 23 | 32 | 46 | 52 | 62 | 58 | 49 | 41 | 19 | 12 | 6 |
| 64 | 2 | 13 | 18 | 33 | 37 | 47 | 64 | 56 | 48 | 34 | 17 | 6 | 2 |
| 65 | 17 | 14 | 12 | 36 | 36 | 46 | 60 | 60 | 43 | 37 | 21 | 21 | 12 |
| 66 | 12 | 16 | 14 | 30 | 43 | 53 | 64 | 55 | 53 | 34 | 23 | 4 | 4 |
| 67 | 0 | 11 | 19 | 33 | 26 | 51 | 60 | 55 | 46 | 28 | 27 | 16 | 0 |
| 68 | 12 | 22 | 27 | 28 | 46 | 50 | 62 | 62 | 44 | 31 | 26 | 12 | 12 |
| 69 | 20 | 21 | 22 | 37 | 37 | 55 | 63 | 62 | 52 | 33 | 16 | 17 | 16 |
| 70 | 7 | 19 | 27 | 26 | 36 | 49 | 63 | 61 | 45 | 26 | 20 | 16 | 7 |
| 71 | -2 | 11 | 9 | 32 | 37 | 44 | 59 | 56 | 38 | 29 | 23 | 19 | -2 |
| 72 | 7 | 14 | 23 | 27 | 39 | 56 | 60 | 60 | 43 | 35 | 23 | 18 | 7 |
| 73 | 11 | 23 | 31 | 28 | 40 | 50 | 60 | 57 | 44 | 34 | 21 | 8 | 8 |
| 74 | 13 | 9 | 25 | 26 | 40 | 47 | 60 | 54 | 45 | 34 | 23 | 17 | 9 |
| 75 | 22 | 26 | 28 | 29 | 36 | 54 | 62 | 58 | 44 | 37 | 20 | 17 | 17 |

E - 3 - 2A

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MINIMUM TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 76 | 16 | 17 | 21 | 29 | 41 | 51 | 60 | 58 | 46 | 31 | 3 | 15 | 3 |
| 77 | 16 | 20 | 19 | 31 | 47 | 59 | 64 | 65 | 56 | 38 | 26 | 13 | 13 |
| 78 | 19 | 17 | 28 | 35 | 38 | 54 | 60 | 57 | 49 | 37 | 32 | 16 | 16 |
| 79 | 14 | 24 | 26 | 30 | 38 | 50 | 57 | 58 | 52 | 29 | 17 | 13 | 13 |
| 80 | 23 | 19 | 22 | 25 | 44 | 52 | 66 | 60 | 54 | 27 | 19 | 19 | 19 |
| 81 | 26 | 21 | 29 | 31 | 43 | 53 | 52 | 60 | 51 | 29 | 22 | 18 | 18 |
| 82 | 12 | 18 | 22 | 35 | 42 | 49 | 63 | 64 | 54 | 30 | 27 | 20 | 12 |
| 83 | 16 | 25 | 29 | 29 | 36 | 50 | 60 | 59 | 48 | 42 | 27 | 15 | 15 |
| 84 | 16 | 20 | 25 | 30 | 44 | 56 | 61 | 59 | 50 | 39 | 23 | 25 | 16 |
| 85 | 20 | 15 | 25 | 34 | 40 | 49 | 57 | 57 | 47 | 39 | 23 | 15 | 15 |
| 86 | 17 | 26 | 31 | 34 | 36 | 46 | 55 | 60 | 42 | 30 | 26 | 20 | 17 |
| 87 | 8 | 24 | 24 | 29 | 45 | 52 | 59 | 56 | 47 | 41 | 17 | 4 | 4 |
| 88 | 15 | 24 | 18 | 28 | 34 | 44 | 57 | 61 | 46 | 40 | 16 | 14 | 14 |
| 89 | 15 | 16 | 26 | 32 | 43 | 48 | 60 | 58 | 44 | 27 | 25 | 9 | 9 |
| 90 | 17 | 12 | 28 | 40 | 44 | 52 | 59 | 56 | 52 | 33 | 22 | 19 | 12 |
| 91 | 17 | 19 | 22 | 26 | 42 | 50 | 59 | 58 | 43 | 23 | | | 17* |
| LEAST | -11 | 0 | 9 | 23 | 26 | 44 | 52 | 54 | 38 | 23 | 3 | 2 | -11 |
| TOTAL OBS | 1488 | 1356 | 1457 | 1410 | 1457 | 1410 | 1488 | 1487 | 1470 | 1519 | 1470 | 1519 | 17531 |

THE LEAST VALUE OF -11 OCCURRED ON 01/11/62

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 42 | | | | | | | | | 70 | 61 | 52 | 45 | 57* |
| 43 | 42 | 48 | 51 | 64 | 70 | 77 | 79 | 82 | 72 | 60 | 47 | 40 | 61 |
| 44 | 39 | 47 | 50 | 57 | 67 | 76 | 80 | 78 | 70 | 62 | 48 | 41 | 60 |
| 45 | 43 | 49 | 51 | 59 | 70 | 76 | 81 | 81 | 75 | 62 | 51 | 41 | 62 |
| 46 | 39 | 46 | | | | | 82 | 81 | 76 | 64 | 47 | 44 | 60* |
| 47 | | | | | | | | | | | 46 | 39 | 42* |
| 48 | 37 | 45 | 47 | 64 | 70 | 79 | 82 | 80 | 74 | 61 | 44 | 44 | 61 |
| 49 | 35 | 45 | 53 | 59 | 69 | 78 | 80 | 78 | 72 | 59 | 52 | 40 | 60 |
| 50 | 45 | 50 | 54 | 63 | 69 | 80 | 78 | 79 | 73 | 68 | 52 | 46 | 63 |
| 51 | 42 | 46 | 53 | 60 | 71 | 80 | 86 | 82 | 77 | 66 | 49 | 44 | 63 |
| 52 | 48 | 45 | 49 | 61 | 70 | 82 | 82 | 83 | 74 | 63 | 47 | 42 | 62 |
| 53 | 47 | 44 | 55 | 61 | 66 | 83 | 84 | 82 | 75 | 62 | 51 | 38 | 63 |
| 54 | 45 | 51 | 52 | 67 | 72 | 80 | 84 | 80 | 78 | 66 | 52 | 43 | 64 |
| 55 | 39 | 42 | 54 | 61 | 68 | 78 | 78 | 79 | 76 | 64 | 51 | 46 | 61 |
| 56 | 46 | 42 | 54 | 60 | 73 | 83 | 81 | 79 | 76 | 64 | 46 | 41 | 62 |
| 57 | 48 | 55 | 53 | 60 | 67 | 79 | 83 | 80 | 73 | 60 | 47 | 43 | 62 |
| 58 | 40 | 49 | 49 | 60 | 72 | 82 | 83 | 81 | 73 | 61 | 50 | 43 | 62 |
| 59 | 43 | 46 | 51 | 62 | 70 | 81 | 82 | 80 | 76 | 63 | 47 | 43 | 62 |
| 60 | 38 | 42 | 56 | 63 | 70 | 82 | 79 | 80 | 75 | 62 | 51 | 36 | 61 |
| 61 | 40 | 46 | 53 | 62 | 72 | 79 | 82 | 80 | 72 | 63 | 47 | 44 | 62 |
| 62 | 37 | 50 | 48 | 63 | 69 | 76 | 77 | 79 | 71 | 61 | 50 | 42 | 60 |
| 63 | 37 | 45 | 52 | 62 | 72 | 78 | 81 | 77 | 73 | 63 | 49 | 37 | 61 |
| 64 | 36 | 36 | 49 | 58 | 69 | 78 | 83 | 80 | 73 | 62 | 49 | 40 | 59 |
| 65 | 44 | 42 | 48 | 61 | 68 | 75 | 81 | 77 | 71 | 60 | 53 | 43 | 60 |
| 66 | 36 | 39 | 51 | 60 | 70 | 75 | 81 | 76 | 71 | 59 | 51 | 40 | 59 |
| 67 | 38 | 41 | 53 | 60 | 64 | 74 | 79 | 73 | 70 | 62 | 50 | 38 | 58 |
| 68 | 40 | 46 | 50 | 57 | 70 | 79 | 79 | 77 | 71 | 64 | 49 | 40 | 60 |
| 69 | 47 | 45 | 46 | 63 | 69 | 78 | 81 | 81 | 73 | 64 | 48 | 43 | 61 |
| 70 | 40 | 46 | 49 | 60 | 69 | 76 | 81 | 80 | 74 | 58 | 50 | 45 | 61 |
| 71 | 42 | 44 | 54 | 59 | 66 | 77 | 79 | 73 | 70 | 58 | 48 | 42 | 59 |
| 72 | 43 | 47 | 57 | 62 | 69 | 76 | 80 | 75 | 69 | 62 | 44 | 41 | 61 |
| 73 | 39 | 46 | 52 | 57 | 67 | 76 | 79 | 78 | 74 | 63 | 54 | 42 | 60 |
| 74 | 42 | 42 | 58 | 60 | 72 | 81 | 78 | 75 | 68 | 62 | 50 | 41 | 61 |
| 75 | 43 | 48 | 52 | 58 | 68 | 79 | 82 | 79 | 70 | 62 | 48 | 42 | 61 |

OPERATING LOCATION 'A'
USAFETAC, ASHEVILLE NC

MONTHLY MEAN TEMPERATURES IN FAHRENHEIT
FROM SUMMARY OF DAY DATA

STATION NUMBER: 747320

STATION NAME: HOLLOWAN AFB/ALAMOGORDO NM
LST TO UTC: +07

PERIOD OF RECORD: 4209-4602,4607-4612,4711-9110
MONTH: ALL HOURS: ALL

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|-----------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 76 | 40 | 49 | 51 | 62 | 68 | 79 | 77 | 79 | 71 | 56 | 43 | 39 | 59 |
| 77 | 40 | 45 | 50 | 63 | 71 | 83 | 83 | 82 | 77 | 63 | 53 | 47 | 63 |
| 78 | 43 | 45 | 55 | 63 | 70 | 82 | 82 | 78 | 69 | 61 | 53 | 42 | 62 |
| 79 | 39 | 46 | 52 | 60 | 67 | 77 | 82 | 77 | 72 | 64 | 46 | 41 | 60 |
| 80 | 46 | 47 | 51 | 58 | 68 | 83 | 85 | 79 | 73 | 58 | 47 | 45 | 62 |
| 81 | 42 | 46 | 50 | 65 | 68 | 81 | 82 | 76 | 71 | 61 | 49 | 43 | 61 |
| 82 | 42 | 45 | 55 | 62 | 67 | 79 | 82 | 81 | 73 | 60 | 48 | 40 | 61 |
| 83 | 39 | 46 | 52 | 54 | 65 | 75 | 80 | 79 | 74 | 62 | 50 | 43 | 60 |
| 84 | 41 | 44 | 52 | 59 | 73 | 77 | 79 | 76 | 72 | 58 | 49 | 43 | 60 |
| 85 | 39 | 45 | 53 | 62 | 69 | 77 | 79 | 79 | 71 | 60 | 52 | 42 | 61 |
| 86 | 44 | 50 | 54 | 62 | 66 | 73 | 74 | 75 | 68 | 58 | 47 | 40 | 59 |
| 87 | 38 | 45 | 51 | 58 | 67 | 76 | 80 | 77 | 70 | 65 | 48 | 39 | 60 |
| 88 | 41 | 47 | 51 | 60 | 68 | 78 | 80 | 80 | 70 | 64 | 51 | 40 | 61 |
| 89 | 42 | 50 | 60 | 66 | 72 | 79 | 81 | 78 | 73 | 61 | 50 | 38 | 63 |
| 90 | 40 | 43 | 53 | 64 | 69 | 84 | 78 | 76 | 72 | 61 | 51 | 44 | 61 |
| 91 | 42 | 47 | 51 | 62 | 72 | 78 | 75 | 75 | 67 | 60 | | | 63* |
| | | | | | | | | | | | | | |
| MEAN | 41.3 | 45.7 | 52.1 | 60.8 | 69.2 | 78.5 | 80.6 | 78.6 | 72.4 | 61.7 | 49.1 | 41.7 | 61.0 |
| | | | | | | | | | | | | | |
| TOTAL OBS | 1488 | 1356 | 1457 | 1410 | 1457 | 1410 | 1488 | 1487 | 1470 | 1519 | 1470 | 1519 | 17531 |
| | | | | | | | | | | | | | |

NOTE: *THE VALUE IS BASED ON A MONTH WITH LESS THAN 90% OF THE DATA AVAILABLE FOR THE MONTH

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 33.6 | 7.119 | 930 | 0 | 425 | 0 | 0 | 0 | 930 |
| 03-05 | 31.5 | 7.527 | 930 | 0 | 561 | 0 | 0 | 0 | 930 |
| 06-08 | 30.9 | 7.355 | 930 | 0 | 571 | 0 | 0 | 0 | 930 |
| 09-11 | 41.2 | 8.106 | 930 | 0 | 132 | 0 | 0 | 0 | 930 |
| 12-14 | 50.2 | 8.277 | 930 | 0 | 34 | 18 | 0 | 0 | 930 |
| 15-17 | 52.0 | 8.240 | 930 | 0 | 21 | 51 | 0 | 0 | 930 |
| 18-20 | 42.5 | 7.457 | 929 | 0 | 99 | 0 | 0 | 0 | 929 |
| 21-23 | 37.2 | 7.232 | 929 | 0 | 234 | 0 | 0 | 0 | 929 |
| ALL HOURS | 39.9 | 10.780 | 7438 | 0 | 2077 | 69 | 0 | 0 | 7438 |

MONTH: FEB

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 39.3 | 8.302 | 846 | 0 | 177 | 3 | 0 | 0 | 846 |
| 03-05 | 36.7 | 8.318 | 846 | 0 | 269 | 0 | 0 | 0 | 846 |
| 06-08 | 35.9 | 8.241 | 846 | 0 | 312 | 0 | 0 | 0 | 846 |
| 09-11 | 47.8 | 9.190 | 846 | 0 | 33 | 25 | 0 | 0 | 846 |
| 12-14 | 56.0 | 9.632 | 846 | 0 | 11 | 153 | 2 | 0 | 846 |
| 15-17 | 58.2 | 9.747 | 846 | 0 | 9 | 216 | 11 | 0 | 846 |
| 18-20 | 50.2 | 8.982 | 846 | 0 | 13 | 42 | 0 | 0 | 846 |
| 21-23 | 43.3 | 8.032 | 846 | 0 | 64 | 3 | 0 | 0 | 846 |
| ALL HOURS | 45.9 | 11.919 | 6768 | 0 | 888 | 442 | 13 | 0 | 6768 |

E - 5 - 1 - 1

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 46.1 | 8.251 | 930 | 0 | 42 | 13 | 0 | 0 | 930 |
| 03-05 | 42.4 | 8.338 | 930 | 0 | 117 | 3 | 0 | 0 | 930 |
| 06-08 | 43.1 | 8.775 | 930 | 0 | 107 | 4 | 0 | 0 | 930 |
| 09-11 | 56.3 | 9.278 | 930 | 0 | 7 | 189 | 4 | 0 | 930 |
| 12-14 | 63.9 | 9.840 | 930 | 0 | 0 | 464 | 42 | 0 | 930 |
| 15-17 | 66.0 | 9.636 | 930 | 0 | 0 | 544 | 60 | 0 | 930 |
| 18-20 | 59.1 | 9.163 | 930 | 0 | 3 | 269 | 9 | 0 | 930 |
| 21-23 | 51.2 | 8.386 | 930 | 0 | 11 | 48 | 0 | 0 | 930 |
| ALL HOURS | 53.5 | 12.424 | 7440 | 0 | 287 | 1534 | 115 | 0 | 7440 |

MONTH: APR

| | | | | | | | | | |
|--------------|------|--------|------|---|----|------|-----|---|------|
| 00-02 | 53.5 | 8.349 | 900 | 0 | 8 | 87 | 0 | 0 | 900 |
| 03-05 | 49.2 | 8.444 | 900 | 0 | 26 | 31 | 0 | 0 | 900 |
| 06-08 | 52.8 | 9.159 | 900 | 0 | 16 | 100 | 0 | 0 | 900 |
| 09-11 | 65.5 | 8.996 | 900 | 0 | 0 | 534 | 25 | 0 | 900 |
| 12-14 | 72.1 | 9.347 | 900 | 0 | 0 | 741 | 165 | 2 | 900 |
| 15-17 | 74.2 | 9.324 | 900 | 0 | 0 | 783 | 262 | 4 | 900 |
| 18-20 | 67.8 | 9.124 | 900 | 0 | 1 | 619 | 59 | 0 | 900 |
| 21-23 | 59.0 | 8.115 | 900 | 0 | 3 | 246 | 0 | 0 | 900 |
| ALL HOURS | 61.8 | 12.541 | 7200 | 0 | 54 | 3141 | 511 | 6 | 7200 |

E - 5 - 1 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 61.0 | 6.892 | 930 | 0 | 0 | 288 | 2 | 0 | 930 |
| 03-05 | 56.3 | 7.085 | 930 | 0 | 0 | 117 | 0 | 0 | 930 |
| 06-08 | 62.0 | 8.141 | 930 | 0 | 0 | 376 | 6 | 0 | 930 |
| 09-11 | 74.3 | 7.391 | 930 | 0 | 0 | 845 | 239 | 1 | 930 |
| 12-14 | 80.8 | 7.458 | 930 | 0 | 0 | 906 | 554 | 36 | 930 |
| 15-17 | 82.5 | 7.838 | 930 | 0 | 0 | 902 | 667 | 66 | 930 |
| 18-20 | 76.6 | 8.091 | 930 | 0 | 0 | 852 | 346 | 13 | 930 |
| 21-23 | 67.0 | 7.126 | 930 | 0 | 0 | 588 | 27 | 0 | 930 |
| ALL HOURS | 70.1 | 11.843 | 7440 | 0 | 0 | 4874 | 1841 | 116 | 7440 |

MONTH: JUN

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 69.7 | 6.867 | 900 | 0 | 0 | 695 | 80 | 0 | 900 |
| 03-05 | 64.9 | 6.738 | 900 | 0 | 0 | 461 | 23 | 0 | 900 |
| 06-08 | 70.1 | 7.327 | 900 | 0 | 0 | 697 | 93 | 0 | 900 |
| 09-11 | 81.9 | 6.909 | 900 | 0 | 0 | 886 | 599 | 50 | 900 |
| 12-14 | 88.6 | 7.306 | 900 | 0 | 0 | 892 | 813 | 277 | 900 |
| 15-17 | 90.3 | 7.698 | 900 | 0 | 0 | 892 | 814 | 389 | 900 |
| 18-20 | 84.9 | 7.963 | 900 | 0 | 0 | 889 | 691 | 148 | 900 |
| 21-23 | 75.4 | 6.646 | 900 | 0 | 0 | 851 | 246 | 3 | 900 |
| ALL HOURS | 78.2 | 11.474 | 7200 | 0 | 0 | 6263 | 3359 | 867 | 7200 |

E - 5 - 1 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 72.1 | 5.055 | 930 | 0 | 0 | 864 | 58 | 0 | 930 |
| 03-05 | 68.2 | 4.498 | 930 | 0 | 0 | 729 | 3 | 0 | 930 |
| 06-08 | 71.8 | 5.841 | 930 | 0 | 0 | 832 | 107 | 0 | 930 |
| 09-11 | 82.2 | 6.025 | 930 | 0 | 0 | 930 | 648 | 24 | 930 |
| 12-14 | 88.3 | 6.286 | 930 | 0 | 0 | 930 | 843 | 253 | 930 |
| 15-17 | 89.1 | 7.199 | 930 | 0 | 0 | 929 | 818 | 354 | 930 |
| 18-20 | 83.9 | 7.027 | 930 | 0 | 0 | 927 | 686 | 106 | 930 |
| 21-23 | 76.5 | 5.487 | 930 | 0 | 0 | 913 | 311 | 0 | 930 |
| ALL HOURS | 79.0 | 9.544 | 7440 | 0 | 0 | 7054 | 3474 | 737 | 7440 |

MONTH: AUG

| | | | | | | | | | |
|--------------|------|-------|------|---|---|------|------|-----|------|
| 00-02 | 70.5 | 4.773 | 930 | 0 | 0 | 839 | 33 | 0 | 930 |
| 03-05 | 67.5 | 4.183 | 930 | 0 | 0 | 702 | 3 | 0 | 930 |
| 06-08 | 69.6 | 5.251 | 930 | 0 | 0 | 776 | 32 | 0 | 930 |
| 09-11 | 79.9 | 5.888 | 930 | 0 | 0 | 922 | 527 | 4 | 930 |
| 12-14 | 86.1 | 6.045 | 930 | 0 | 0 | 926 | 806 | 104 | 930 |
| 15-17 | 86.7 | 6.696 | 930 | 0 | 0 | 927 | 797 | 192 | 930 |
| 18-20 | 81.3 | 6.547 | 930 | 0 | 0 | 920 | 607 | 21 | 930 |
| 21-23 | 74.4 | 5.188 | 930 | 0 | 0 | 902 | 154 | 0 | 930 |
| ALL HOURS | 77.0 | 9.046 | 7440 | 0 | 0 | 6914 | 2959 | 321 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 64.1 | 6.394 | 900 | 0 | 0 | 438 | 5 | 0 | 900 |
| 03-05 | 60.7 | 6.358 | 900 | 0 | 0 | 252 | 0 | 0 | 900 |
| 06-08 | 62.4 | 6.745 | 900 | 0 | 0 | 343 | 4 | 0 | 900 |
| 09-11 | 73.9 | 6.902 | 900 | 0 | 0 | 828 | 194 | 0 | 900 |
| 12-14 | 80.7 | 7.070 | 900 | 0 | 0 | 873 | 548 | 26 | 900 |
| 15-17 | 81.8 | 7.434 | 899 | 0 | 0 | 873 | 613 | 40 | 899 |
| 18-20 | 74.6 | 7.336 | 900 | 0 | 0 | 824 | 238 | 3 | 900 |
| 21-23 | 67.9 | 6.262 | 900 | 0 | 0 | 640 | 24 | 0 | 900 |
| ALL HOURS | 70.8 | 10.251 | 7199 | 0 | 0 | 5071 | 1626 | 69 | 7199 |

MONTH: OCT

| | | | | | | | | | |
|--------------|------|--------|------|---|----|------|-----|---|------|
| 00-02 | 53.1 | 6.499 | 930 | 0 | 3 | 41 | 0 | 0 | 930 |
| 03-05 | 49.9 | 6.532 | 930 | 0 | 9 | 13 | 0 | 0 | 930 |
| 06-08 | 51.2 | 7.357 | 929 | 0 | 10 | 23 | 0 | 0 | 929 |
| 09-11 | 64.5 | 7.753 | 930 | 0 | 3 | 494 | 14 | 0 | 930 |
| 12-14 | 72.2 | 8.091 | 930 | 0 | 0 | 774 | 154 | 0 | 930 |
| 15-17 | 73.4 | 8.194 | 929 | 0 | 0 | 798 | 223 | 0 | 929 |
| 18-20 | 63.9 | 7.252 | 927 | 0 | 0 | 445 | 3 | 0 | 927 |
| 21-23 | 57.2 | 6.633 | 927 | 0 | 3 | 133 | 0 | 0 | 927 |
| ALL HOURS | 60.7 | 11.329 | 7432 | 0 | 28 | 2721 | 394 | 0 | 7432 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 42.8 | 8.459 | 900 | 0 | 112 | 1 | 0 | 0 | 900 |
| 03-05 | 40.2 | 8.642 | 900 | 0 | 176 | 0 | 0 | 0 | 900 |
| 06-08 | 40.1 | 8.910 | 900 | 0 | 185 | 0 | 0 | 0 | 900 |
| 09-11 | 52.6 | 8.953 | 900 | 0 | 5 | 90 | 0 | 0 | 900 |
| 12-14 | 60.6 | 9.015 | 900 | 0 | 3 | 351 | 3 | 0 | 900 |
| 15-17 | 61.0 | 9.022 | 900 | 0 | 0 | 360 | 3 | 0 | 900 |
| 18-20 | 51.3 | 8.343 | 900 | 0 | 5 | 47 | 0 | 0 | 900 |
| 21-23 | 45.8 | 8.393 | 900 | 0 | 46 | 10 | 0 | 0 | 900 |
| ALL HOURS | 49.3 | 11.759 | 7200 | 0 | 532 | 859 | 6 | 0 | 7200 |

MONTH: DEC

| | | | | | | | | | |
|--------------|------|--------|------|---|------|----|---|---|------|
| 00-02 | 34.5 | 8.539 | 930 | 0 | 394 | 0 | 0 | 0 | 930 |
| 03-05 | 32.3 | 8.604 | 930 | 0 | 508 | 0 | 0 | 0 | 930 |
| 06-08 | 31.5 | 8.582 | 930 | 0 | 537 | 0 | 0 | 0 | 930 |
| 09-11 | 41.7 | 8.922 | 930 | 0 | 140 | 2 | 0 | 0 | 930 |
| 12-14 | 50.2 | 9.262 | 930 | 0 | 41 | 38 | 0 | 0 | 930 |
| 15-17 | 51.1 | 9.139 | 930 | 0 | 38 | 40 | 0 | 0 | 930 |
| 18-20 | 41.8 | 8.200 | 930 | 0 | 108 | 1 | 0 | 0 | 930 |
| 21-23 | 37.2 | 8.423 | 930 | 0 | 252 | 0 | 0 | 0 | 930 |
| ALL HOURS | 40.0 | 11.259 | 7440 | 0 | 2018 | 81 | 0 | 0 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DRY BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLoman AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: ALL

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 0 | LE 32 | GE 65 | GE 80 | GE 93 | |
| 00-02 | 53.4 | 15.354 | 10956 | 0 | 1161 | 3269 | 178 | 0 | 10956 |
| 03-05 | 50.0 | 14.813 | 10956 | 0 | 1666 | 2308 | 29 | 0 | 10956 |
| 06-08 | 51.8 | 16.607 | 10955 | 0 | 1738 | 3151 | 242 | 0 | 10955 |
| 09-11 | 63.5 | 16.691 | 10956 | 0 | 320 | 5745 | 2250 | 79 | 10956 |
| 12-14 | 70.9 | 16.065 | 10956 | 0 | 89 | 7066 | 3930 | 698 | 10956 |
| 15-17 | 72.3 | 16.059 | 10954 | 0 | 68 | 7315 | 4268 | 1045 | 10954 |
| 18-20 | 64.9 | 17.133 | 10952 | 0 | 229 | 5835 | 2639 | 291 | 10952 |
| 21-23 | 57.7 | 15.828 | 10952 | 0 | 613 | 4334 | 762 | 3 | 10952 |
| ALL HOURS | 60.6 | 17.977 | 87637 | 0 | 5884 | 39023 | 14298 | 2116 | 87637 |

E - 5 - 1 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: JAN

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 29.5 | 6.063 | 930 | 669 | 0 | 0 | 0 | 0 | 930 |
| 03-05 | 28.0 | 6.442 | 930 | 705 | 0 | 0 | 0 | 0 | 930 |
| 06-08 | 27.6 | 6.454 | 930 | 729 | 0 | 0 | 0 | 0 | 930 |
| 09-11 | 34.7 | 6.132 | 930 | 334 | 2 | 0 | 0 | 0 | 930 |
| 12-14 | 39.9 | 5.449 | 929 | 108 | 19 | 0 | 0 | 0 | 929 |
| 15-17 | 40.6 | 5.207 | 929 | 78 | 21 | 0 | 0 | 0 | 929 |
| 18-20 | 35.3 | 5.535 | 929 | 270 | 0 | 0 | 0 | 0 | 929 |
| 21-23 | 32.0 | 5.822 | 929 | 514 | 0 | 0 | 0 | 0 | 929 |
| ALL HOURS | 33.5 | 7.604 | 7436 | 3407 | 42 | 0 | 0 | 0 | 7436 |

MONTH: FEB

| | | | | | | | | | |
|--------------|------|-------|------|------|-----|---|---|---|------|
| 00-02 | 33.5 | 6.673 | 846 | 371 | 2 | 0 | 0 | 0 | 846 |
| 03-05 | 31.9 | 6.885 | 846 | 456 | 0 | 0 | 0 | 0 | 846 |
| 06-08 | 31.4 | 6.929 | 846 | 480 | 0 | 0 | 0 | 0 | 846 |
| 09-11 | 39.1 | 6.482 | 845 | 125 | 41 | 0 | 0 | 0 | 845 |
| 12-14 | 43.1 | 5.999 | 846 | 36 | 116 | 0 | 0 | 0 | 846 |
| 15-17 | 43.8 | 5.744 | 846 | 27 | 131 | 0 | 0 | 0 | 846 |
| 18-20 | 39.8 | 5.903 | 846 | 89 | 30 | 0 | 0 | 0 | 846 |
| 21-23 | 36.0 | 6.169 | 846 | 238 | 4 | 0 | 0 | 0 | 846 |
| ALL HOURS | 37.3 | 7.796 | 6767 | 1822 | 324 | 0 | 0 | 0 | 6767 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 37.5 | 5.866 | 930 | 164 | 13 | 0 | 0 | 0 | 930 |
| 03-05 | 35.3 | 6.224 | 930 | 298 | 11 | 0 | 0 | 0 | 930 |
| 06-08 | 35.9 | 6.321 | 930 | 274 | 10 | 0 | 0 | 0 | 930 |
| 09-11 | 43.4 | 5.507 | 930 | 30 | 129 | 0 | 0 | 0 | 930 |
| 12-14 | 46.7 | 5.395 | 929 | 6 | 291 | 0 | 0 | 0 | 929 |
| 15-17 | 47.3 | 5.126 | 930 | 3 | 329 | 0 | 0 | 0 | 930 |
| 18-20 | 44.0 | 5.140 | 930 | 21 | 135 | 0 | 0 | 0 | 930 |
| 21-23 | 40.1 | 5.447 | 930 | 84 | 30 | 0 | 0 | 0 | 930 |
| ALL HOURS | 41.3 | 7.178 | 7439 | 880 | 948 | 0 | 0 | 0 | 7439 |

MONTH: APR

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 41.9 | 5.617 | 900 | 52 | 84 | 0 | 0 | 0 | 900 |
| 03-05 | 39.6 | 6.146 | 900 | 131 | 44 | 0 | 0 | 0 | 900 |
| 06-08 | 42.0 | 6.276 | 900 | 76 | 107 | 0 | 0 | 0 | 900 |
| 09-11 | 48.6 | 5.160 | 900 | 8 | 433 | 0 | 0 | 0 | 900 |
| 12-14 | 51.2 | 5.050 | 900 | 2 | 612 | 0 | 0 | 0 | 900 |
| 15-17 | 51.9 | 4.852 | 900 | 2 | 662 | 1 | 0 | 0 | 900 |
| 18-20 | 49.0 | 4.925 | 900 | 4 | 456 | 0 | 0 | 0 | 900 |
| 21-23 | 44.8 | 5.151 | 900 | 15 | 181 | 0 | 0 | 0 | 900 |
| ALL HOURS | 46.1 | 6.940 | 7200 | 290 | 2579 | 1 | 0 | 0 | 7200 |

E - 5 - 2 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: MAY

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 47.8 | 5.766 | 930 | 1 | 364 | 0 | 0 | 0 | 930 |
| 03-05 | 45.3 | 6.066 | 930 | 11 | 241 | 0 | 0 | 0 | 930 |
| 06-08 | 48.9 | 5.885 | 930 | 3 | 429 | 0 | 0 | 0 | 930 |
| 09-11 | 54.7 | 4.910 | 930 | 0 | 786 | 4 | 0 | 0 | 930 |
| 12-14 | 56.7 | 4.570 | 930 | 0 | 873 | 14 | 0 | 0 | 930 |
| 15-17 | 57.2 | 4.183 | 930 | 0 | 887 | 11 | 0 | 0 | 930 |
| 18-20 | 54.5 | 4.533 | 930 | 0 | 797 | 5 | 0 | 0 | 930 |
| 21-23 | 50.5 | 5.176 | 930 | 0 | 539 | 1 | 0 | 0 | 930 |
| ALL HOURS | 51.9 | 6.642 | 7440 | 15 | 4916 | 35 | 0 | 0 | 7440 |

MONTH: JUN

| | | | | | | | | | |
|--------------|------|-------|------|---|------|-----|---|---|------|
| 00-02 | 55.2 | 5.597 | 900 | 0 | 733 | 0 | 0 | 0 | 900 |
| 03-05 | 53.1 | 5.976 | 900 | 0 | 672 | 0 | 0 | 0 | 900 |
| 06-08 | 56.3 | 5.224 | 900 | 0 | 798 | 3 | 0 | 0 | 900 |
| 09-11 | 61.2 | 3.789 | 899 | 0 | 897 | 50 | 0 | 0 | 899 |
| 12-14 | 62.9 | 3.360 | 900 | 0 | 900 | 134 | 0 | 0 | 900 |
| 15-17 | 63.0 | 3.128 | 900 | 0 | 900 | 130 | 1 | 0 | 900 |
| 18-20 | 60.8 | 3.549 | 900 | 0 | 898 | 35 | 0 | 0 | 900 |
| 21-23 | 57.3 | 4.824 | 900 | 0 | 838 | 3 | 0 | 0 | 900 |
| ALL HOURS | 58.7 | 5.753 | 7199 | 0 | 6636 | 355 | 1 | 0 | 7199 |

E - 5 - 2 - 3

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 60.7 | 3.454 | 930 | 0 | 914 | 18 | 0 | 0 | 930 |
| 03-05 | 59.1 | 3.796 | 930 | 0 | 907 | 3 | 0 | 0 | 930 |
| 06-08 | 61.1 | 3.389 | 930 | 0 | 923 | 30 | 0 | 0 | 930 |
| 09-11 | 65.1 | 2.418 | 930 | 0 | 930 | 269 | 0 | 0 | 930 |
| 12-14 | 66.4 | 2.002 | 930 | 0 | 930 | 480 | 3 | 0 | 930 |
| 15-17 | 66.1 | 2.130 | 930 | 0 | 930 | 428 | 1 | 0 | 930 |
| 18-20 | 64.7 | 2.322 | 930 | 0 | 930 | 204 | 1 | 0 | 930 |
| 21-23 | 62.4 | 2.912 | 930 | 0 | 929 | 51 | 0 | 0 | 930 |
| ALL HOURS | 63.2 | 3.866 | 7440 | 0 | 7393 | 1483 | 5 | 0 | 7440 |

MONTH: AUG

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 62.0 | 3.161 | 930 | 0 | 930 | 48 | 0 | 0 | 930 |
| 03-05 | 60.7 | 3.248 | 930 | 0 | 927 | 18 | 0 | 0 | 930 |
| 06-08 | 61.9 | 3.296 | 930 | 0 | 927 | 58 | 0 | 0 | 930 |
| 09-11 | 66.0 | 2.478 | 930 | 0 | 930 | 414 | 0 | 0 | 930 |
| 12-14 | 67.2 | 2.325 | 930 | 0 | 930 | 587 | 8 | 0 | 930 |
| 15-17 | 66.8 | 2.352 | 930 | 0 | 930 | 531 | 4 | 0 | 930 |
| 18-20 | 65.3 | 2.486 | 930 | 0 | 930 | 322 | 1 | 0 | 930 |
| 21-23 | 63.4 | 2.776 | 930 | 0 | 930 | 119 | 0 | 0 | 930 |
| ALL HOURS | 64.2 | 3.603 | 7440 | 0 | 7434 | 2097 | 13 | 0 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: SEP

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 56.1 | 5.200 | 900 | 0 | 780 | 0 | 0 | 0 | 900 |
| 03-05 | 54.4 | 5.700 | 900 | 0 | 706 | 0 | 0 | 0 | 900 |
| 06-08 | 55.5 | 5.669 | 900 | 0 | 738 | 0 | 0 | 0 | 900 |
| 09-11 | 60.9 | 4.310 | 900 | 0 | 879 | 50 | 0 | 0 | 900 |
| 12-14 | 62.7 | 3.844 | 900 | 0 | 900 | 131 | 0 | 0 | 900 |
| 15-17 | 62.3 | 3.615 | 899 | 0 | 898 | 97 | 0 | 0 | 899 |
| 18-20 | 60.0 | 4.209 | 899 | 0 | 888 | 25 | 0 | 0 | 899 |
| 21-23 | 57.7 | 4.782 | 899 | 0 | 836 | 2 | 0 | 0 | 899 |
| ALL HOURS | 58.7 | 5.546 | 7197 | 0 | 6625 | 305 | 0 | 0 | 7197 |

MONTH: OCT

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 46.4 | 5.977 | 930 | 16 | 266 | 0 | 0 | 0 | 930 |
| 03-05 | 44.4 | 6.282 | 930 | 27 | 194 | 0 | 0 | 0 | 930 |
| 06-08 | 45.3 | 6.615 | 929 | 30 | 244 | 0 | 0 | 0 | 929 |
| 09-11 | 52.8 | 5.492 | 930 | 5 | 716 | 1 | 0 | 0 | 930 |
| 12-14 | 55.5 | 4.678 | 930 | 1 | 835 | 0 | 0 | 0 | 930 |
| 15-17 | 55.4 | 4.320 | 929 | 0 | 840 | 0 | 0 | 0 | 929 |
| 18-20 | 51.7 | 4.998 | 927 | 2 | 650 | 0 | 0 | 0 | 927 |
| 21-23 | 48.6 | 5.580 | 927 | 10 | 404 | 0 | 0 | 0 | 927 |
| ALL HOURS | 50.0 | 6.910 | 7432 | 91 | 4149 | 1 | 0 | 0 | 7432 |

E - 5 - 2 - 5

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 36.5 | 7.354 | 900 | 267 | 47 | 0 | 0 | 0 | 900 |
| 03-05 | 34.9 | 7.652 | 900 | 361 | 34 | 0 | 0 | 0 | 900 |
| 06-08 | 34.8 | 7.799 | 900 | 359 | 36 | 0 | 0 | 0 | 900 |
| 09-11 | 42.7 | 6.662 | 897 | 57 | 146 | 0 | 0 | 0 | 897 |
| 12-14 | 46.3 | 5.927 | 900 | 9 | 278 | 0 | 0 | 0 | 900 |
| 15-17 | 46.3 | 5.734 | 900 | 10 | 277 | 0 | 0 | 0 | 900 |
| 18-20 | 41.5 | 6.477 | 900 | 81 | 96 | 0 | 0 | 0 | 900 |
| 21-23 | 38.3 | 6.938 | 900 | 198 | 61 | 0 | 0 | 0 | 900 |
| ALL HOURS | 40.2 | 8.177 | 7197 | 1342 | 975 | 0 | 0 | 0 | 7197 |

MONTH: DEC

| | | | | | | | | | |
|--------------|------|-------|------|------|-----|---|---|---|------|
| 00-02 | 30.3 | 7.680 | 930 | 601 | 6 | 0 | 0 | 0 | 930 |
| 03-05 | 28.8 | 7.816 | 930 | 654 | 3 | 0 | 0 | 0 | 930 |
| 06-08 | 28.2 | 7.896 | 930 | 670 | 3 | 0 | 0 | 0 | 930 |
| 09-11 | 35.3 | 7.058 | 930 | 293 | 15 | 0 | 0 | 0 | 930 |
| 12-14 | 40.2 | 6.445 | 929 | 115 | 32 | 0 | 0 | 0 | 929 |
| 15-17 | 40.5 | 6.281 | 930 | 105 | 36 | 0 | 0 | 0 | 930 |
| 18-20 | 35.2 | 6.755 | 929 | 289 | 11 | 0 | 0 | 0 | 929 |
| 21-23 | 32.1 | 7.244 | 930 | 509 | 6 | 0 | 0 | 0 | 930 |
| ALL HOURS | 33.8 | 8.487 | 7438 | 3236 | 112 | 0 | 0 | 0 | 7438 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

WET BULB TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: ALL

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|-------|----------------|
| | | | | LE 32 | GE 50 | GE 67 | GE 73 | GE 80 | |
| 00-02 | 44.8 | 12.651 | 10956 | 2141 | 4139 | 66 | 0 | 0 | 10956 |
| 03-05 | 43.0 | 12.788 | 10956 | 2643 | 3739 | 21 | 0 | 0 | 10956 |
| 06-08 | 44.1 | 13.587 | 10955 | 2621 | 4215 | 91 | 0 | 0 | 10955 |
| 09-11 | 50.4 | 12.111 | 10951 | 852 | 5904 | 788 | 0 | 0 | 10951 |
| 12-14 | 53.3 | 10.800 | 10953 | 277 | 6716 | 1346 | 11 | 0 | 10953 |
| 15-17 | 53.5 | 10.430 | 10953 | 225 | 6841 | 1198 | 6 | 0 | 10953 |
| 18-20 | 50.2 | 11.680 | 10950 | 756 | 5821 | 591 | 2 | 0 | 10950 |
| 21-23 | 47.0 | 12.231 | 10951 | 1568 | 4758 | 176 | 0 | 0 | 10951 |
| ALL HOURS | 48.3 | 12.673 | 87625 | 11083 | 42133 | 4277 | 19 | 0 | 87625 |

B - 5 - 2 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|----------------|
| | | | | LE 27 | GE 37 | LE 55 | GE 65 | |
| 00-02 | 21.5 | 8.177 | 930 | 727 | 39 | 930 | 0 | 930 |
| 03-05 | 20.8 | 8.180 | 930 | 753 | 33 | 930 | 0 | 930 |
| 06-08 | 20.6 | 8.194 | 930 | 748 | 33 | 930 | 0 | 930 |
| 09-11 | 24.3 | 7.995 | 930 | 626 | 62 | 930 | 0 | 930 |
| 12-14 | 25.1 | 8.346 | 929 | 561 | 79 | 929 | 0 | 929 |
| 15-17 | 24.3 | 8.514 | 929 | 590 | 68 | 929 | 0 | 929 |
| 18-20 | 23.8 | 8.296 | 929 | 608 | 59 | 929 | 0 | 929 |
| 21-23 | 22.5 | 8.163 | 929 | 691 | 44 | 929 | 0 | 929 |
| ALL HOURS | 22.9 | 8.420 | 7436 | 5304 | 417 | 7436 | 0 | 7436 |

MONTH: FEB

| | | | | | | | | |
|--------------|------|-------|------|------|-----|------|---|------|
| 00-02 | 23.5 | 9.465 | 846 | 551 | 67 | 846 | 0 | 846 |
| 03-05 | 23.0 | 9.581 | 846 | 574 | 53 | 846 | 0 | 846 |
| 06-08 | 23.1 | 9.489 | 846 | 548 | 45 | 846 | 0 | 846 |
| 09-11 | 26.5 | 9.407 | 845 | 415 | 119 | 845 | 0 | 846 |
| 12-14 | 25.8 | 9.537 | 846 | 472 | 125 | 846 | 0 | 846 |
| 15-17 | 24.4 | 9.407 | 846 | 548 | 97 | 845 | 0 | 846 |
| 18-20 | 24.8 | 9.393 | 846 | 513 | 85 | 846 | 0 | 846 |
| 21-23 | 24.5 | 9.438 | 846 | 517 | 81 | 846 | 0 | 846 |
| ALL HOURS | 24.5 | 9.560 | 6767 | 4138 | 672 | 6766 | 0 | 6767 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: MAR

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|----------------|
| | | | | LE 27 | GE 37 | LE 55 | GE 65 | |
| 00-02 | 24.3 | 8.359 | 930 | 603 | 66 | 930 | 0 | 930 |
| 03-05 | 24.1 | 8.190 | 930 | 625 | 59 | 930 | 0 | 930 |
| 06-08 | 24.8 | 7.929 | 930 | 590 | 65 | 930 | 0 | 930 |
| 09-11 | 26.6 | 8.366 | 930 | 493 | 110 | 930 | 0 | 930 |
| 12-14 | 25.1 | 8.600 | 929 | 598 | 99 | 928 | 0 | 929 |
| 15-17 | 23.5 | 8.339 | 930 | 676 | 75 | 930 | 0 | 930 |
| 18-20 | 23.6 | 8.560 | 930 | 625 | 67 | 930 | 0 | 930 |
| 21-23 | 24.3 | 8.415 | 930 | 596 | 63 | 930 | 0 | 930 |
| ALL HOURS | 24.5 | 8.431 | 7439 | 4806 | 604 | 7438 | 0 | 7439 |

MONTH: APR

| | | | | | | | | |
|--------------|------|-------|------|------|------|------|---|------|
| 00-02 | 25.8 | 9.284 | 900 | 490 | 116 | 900 | 0 | 900 |
| 03-05 | 25.7 | 9.272 | 900 | 504 | 111 | 900 | 0 | 900 |
| 06-08 | 27.5 | 9.098 | 900 | 441 | 159 | 900 | 0 | 900 |
| 09-11 | 28.9 | 9.074 | 900 | 415 | 204 | 900 | 0 | 900 |
| 12-14 | 27.9 | 8.831 | 900 | 495 | 158 | 899 | 0 | 900 |
| 15-17 | 27.3 | 8.503 | 900 | 516 | 134 | 896 | 0 | 900 |
| 18-20 | 26.6 | 8.835 | 900 | 503 | 140 | 898 | 0 | 900 |
| 21-23 | 26.5 | 9.224 | 900 | 480 | 136 | 900 | 0 | 900 |
| ALL HOURS | 27.0 | 9.104 | 7200 | 3844 | 1158 | 7193 | 0 | 7200 |

E - 5 - 3 - 2

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|----------------|
| | | | | LE 27 | GE 37 | LE 55 | GE 65 | |
| 00-02 | 32.0 | 11.260 | 930 | 359 | 341 | 921 | 0 | 930 |
| 03-05 | 31.7 | 10.919 | 930 | 360 | 335 | 921 | 0 | 930 |
| 06-08 | 34.1 | 10.541 | 930 | 301 | 402 | 922 | 0 | 930 |
| 09-11 | 35.2 | 10.573 | 930 | 283 | 420 | 919 | 3 | 930 |
| 12-14 | 33.9 | 9.749 | 930 | 274 | 357 | 921 | 0 | 930 |
| 15-17 | 33.2 | 9.247 | 930 | 274 | 330 | 922 | 0 | 930 |
| 18-20 | 32.0 | 9.931 | 930 | 329 | 311 | 924 | 0 | 930 |
| 21-23 | 31.9 | 11.097 | 930 | 369 | 336 | 921 | 0 | 930 |
| ALL HOURS | 33.0 | 10.525 | 7440 | 2549 | 2832 | 7371 | 3 | 7440 |

MONTH: JUN

| | | | | | | | | |
|--------------|------|--------|------|-----|------|------|---|------|
| 00-02 | 41.5 | 11.741 | 900 | 148 | 648 | 822 | 0 | 900 |
| 03-05 | 41.6 | 11.303 | 900 | 139 | 662 | 841 | 0 | 900 |
| 06-08 | 43.9 | 10.291 | 900 | 89 | 714 | 809 | 0 | 900 |
| 09-11 | 44.7 | 10.237 | 899 | 83 | 699 | 786 | 2 | 900 |
| 12-14 | 43.0 | 9.429 | 900 | 53 | 650 | 812 | 1 | 900 |
| 15-17 | 41.9 | 8.855 | 900 | 29 | 605 | 830 | 2 | 900 |
| 18-20 | 40.9 | 10.012 | 900 | 89 | 580 | 835 | 2 | 900 |
| 21-23 | 40.9 | 11.796 | 900 | 163 | 615 | 826 | 0 | 900 |
| ALL HOURS | 42.3 | 10.601 | 7199 | 793 | 5173 | 6561 | 7 | 7199 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|----------------|
| | | | | LE 27 | GE 37 | LE 55 | GE 65 | |
| 00-02 | 52.3 | 7.736 | 930 | 18 | 888 | 577 | 11 | 930 |
| 03-05 | 52.1 | 7.540 | 930 | 17 | 899 | 600 | 5 | 930 |
| 06-08 | 53.5 | 6.772 | 930 | 13 | 902 | 547 | 8 | 930 |
| 09-11 | 53.9 | 6.308 | 930 | 4 | 900 | 500 | 11 | 930 |
| 12-14 | 52.3 | 6.442 | 930 | 0 | 892 | 622 | 5 | 930 |
| 15-17 | 51.2 | 6.746 | 930 | 0 | 894 | 685 | 9 | 930 |
| 18-20 | 51.6 | 7.357 | 930 | 5 | 882 | 629 | 14 | 930 |
| 21-23 | 52.4 | 7.791 | 930 | 18 | 893 | 572 | 17 | 930 |
| ALL HOURS | 52.4 | 7.183 | 7440 | 75 | 7150 | 4732 | 80 | 7440 |

MONTH: AUG

| | | | | | | | | |
|--------------|------|-------|------|---|------|------|-----|------|
| 00-02 | 56.3 | 4.892 | 930 | 0 | 930 | 340 | 22 | 930 |
| 03-05 | 56.0 | 4.767 | 930 | 0 | 930 | 390 | 23 | 930 |
| 06-08 | 56.8 | 4.589 | 930 | 0 | 930 | 326 | 34 | 930 |
| 09-11 | 57.5 | 4.162 | 930 | 0 | 929 | 252 | 37 | 930 |
| 12-14 | 55.9 | 4.782 | 930 | 0 | 924 | 364 | 19 | 930 |
| 15-17 | 54.6 | 5.279 | 930 | 0 | 923 | 496 | 21 | 930 |
| 18-20 | 55.1 | 5.535 | 930 | 0 | 922 | 441 | 24 | 930 |
| 21-23 | 56.0 | 5.200 | 930 | 0 | 929 | 364 | 25 | 930 |
| ALL HOURS | 56.0 | 5.021 | 7440 | 0 | 7417 | 2973 | 205 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|----------------|
| | | | | LE 27 | GE 37 | LE 55 | GE 65 | |
| 00-02 | 49.6 | 7.342 | 900 | 0 | 859 | 675 | 3 | 900 |
| 03-05 | 49.0 | 7.537 | 900 | 0 | 849 | 689 | 0 | 900 |
| 06-08 | 49.9 | 7.431 | 900 | 0 | 855 | 657 | 0 | 900 |
| 09-11 | 51.5 | 7.061 | 900 | 0 | 870 | 600 | 3 | 900 |
| 12-14 | 49.8 | 7.444 | 900 | 2 | 843 | 682 | 3 | 900 |
| 15-17 | 48.1 | 7.680 | 899 | 0 | 816 | 732 | 2 | 899 |
| 18-20 | 49.0 | 7.694 | 899 | 0 | 834 | 690 | 5 | 899 |
| 21-23 | 49.5 | 7.576 | 899 | 0 | 843 | 670 | 3 | 899 |
| ALL HOURS | 49.6 | 7.557 | 7197 | 2 | 6769 | 5395 | 19 | 7197 |

MONTH: OCT

| | | | | | | | | |
|--------------|------|-------|------|-----|------|------|---|------|
| 00-02 | 38.9 | 9.264 | 930 | 74 | 574 | 893 | 0 | 930 |
| 03-05 | 38.0 | 9.076 | 930 | 91 | 527 | 908 | 0 | 930 |
| 06-08 | 38.8 | 8.937 | 929 | 80 | 567 | 897 | 0 | 930 |
| 09-11 | 41.6 | 8.877 | 930 | 53 | 696 | 882 | 1 | 930 |
| 12-14 | 40.3 | 9.131 | 930 | 81 | 627 | 900 | 0 | 930 |
| 15-17 | 38.4 | 9.434 | 929 | 113 | 559 | 907 | 0 | 930 |
| 18-20 | 39.5 | 9.449 | 927 | 89 | 589 | 902 | 0 | 930 |
| 21-23 | 39.3 | 9.405 | 927 | 76 | 594 | 898 | 0 | 930 |
| ALL HOURS | 39.4 | 9.275 | 7432 | 657 | 4733 | 7187 | 1 | 7432 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: NOV

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEC F | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|----------------|
| | | | | LE 27 | GE 37 | LE 55 | GE 65 | |
| 00-02 | 26.9 | 10.235 | 900 | 449 | 145 | 899 | 0 | 900 |
| 03-05 | 26.2 | 10.248 | 900 | 487 | 136 | 900 | 0 | 900 |
| 06-08 | 26.4 | 10.231 | 900 | 490 | 151 | 900 | 0 | 900 |
| 09-11 | 29.6 | 10.145 | 897 | 383 | 229 | 896 | 0 | 897 |
| 12-14 | 28.6 | 10.135 | 900 | 421 | 189 | 898 | 0 | 900 |
| 15-17 | 27.9 | 10.077 | 900 | 437 | 173 | 898 | 0 | 900 |
| 18-20 | 28.0 | 10.229 | 900 | 415 | 172 | 899 | 0 | 900 |
| 21-23 | 27.3 | 10.094 | 900 | 450 | 157 | 900 | 0 | 900 |
| ALL HOURS | 27.6 | 10.247 | 7197 | 3532 | 1352 | 7190 | 0 | 7197 |

MONTH: DEC

| | | | | | | | | |
|--------------|------|--------|------|------|-----|------|---|------|
| 00-02 | 22.2 | 10.335 | 930 | 663 | 73 | 930 | 0 | 929 |
| 03-05 | 21.4 | 10.300 | 930 | 683 | 58 | 930 | 0 | 929 |
| 06-08 | 21.3 | 10.294 | 930 | 687 | 58 | 930 | 0 | 929 |
| 09-11 | 25.1 | 9.797 | 930 | 536 | 89 | 930 | 0 | 929 |
| 12-14 | 25.8 | 10.156 | 929 | 518 | 121 | 929 | 0 | 929 |
| 15-17 | 25.3 | 10.455 | 930 | 537 | 114 | 930 | 0 | 929 |
| 18-20 | 24.4 | 10.266 | 929 | 546 | 94 | 929 | 0 | 929 |
| 21-23 | 22.9 | 10.293 | 930 | 619 | 78 | 930 | 0 | 929 |
| ALL HOURS | 23.6 | 10.394 | 7438 | 4789 | 685 | 7438 | 0 | 7438 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

DEW POINT TEMPERATURE SUMMARY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: ALL

| HOURS LST | MEAN | STANDARD DEVIATION | TOTAL OBS | MEAN NUMBER OF HOURS WITH TEMPERATURES DEG F | | | | TOTAL HOURS |
|--------------|------|-----------------------|--------------|--|-------|-------|-------|----------------|
| | | | | LE 27 | GE 37 | LE 55 | GE 65 | |
| 00-02 | 34.7 | 15.268 | 10956 | 4082 | 4746 | 9663 | 36 | 10956 |
| 03-05 | 34.2 | 15.265 | 10956 | 4233 | 4652 | 9785 | 28 | 10956 |
| 06-08 | 35.1 | 15.394 | 10955 | 3987 | 4881 | 9594 | 42 | 10955 |
| 09-11 | 37.2 | 14.602 | 10951 | 3291 | 5327 | 9370 | 57 | 10951 |
| 12-14 | 36.2 | 14.152 | 10953 | 3475 | 5064 | 9730 | 28 | 10953 |
| 15-17 | 35.1 | 13.992 | 10953 | 3720 | 4788 | 10000 | 34 | 10953 |
| 18-20 | 35.0 | 14.402 | 10950 | 3722 | 4735 | 9852 | 45 | 10950 |
| 21-23 | 34.9 | 15.012 | 10951 | 3979 | 4769 | 9686 | 45 | 10951 |
| ALL HOURS | 35.3 | 14.796 | 87625 | 30489 | 38962 | 77680 | 315 | 87625 |

E - 5 - 3 - 7

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN

| HOURS LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | | | TOTAL OBS |
|--------------|--|------|------|------|------|------|------|------|-----|------|-----------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | MEAN | |
| 00-02 | 100.0 | 99.1 | 97.6 | 89.9 | 74.3 | 52.4 | 28.9 | 13.0 | 4.3 | 60.5 | 930 |
| 03-05 | 100.0 | 99.8 | 98.0 | 92.6 | 79.6 | 60.6 | 36.7 | 17.1 | 6.5 | 63.8 | 930 |
| 06-08 | 100.0 | 99.6 | 98.6 | 93.7 | 82.7 | 62.8 | 39.5 | 19.8 | 5.5 | 64.9 | 930 |
| 09-11 | 99.9 | 98.0 | 90.3 | 72.9 | 52.6 | 33.2 | 17.7 | 8.8 | 1.9 | 52.1 | 930 |
| 12-14 | 99.2 | 90.4 | 69.9 | 43.9 | 23.6 | 13.1 | 6.5 | 2.5 | .3 | 39.5 | 929 |
| 15-17 | 98.9 | 83.7 | 60.6 | 33.9 | 20.1 | 11.5 | 4.8 | .6 | | 36.0 | 929 |
| 18-20 | 100.0 | 97.4 | 85.5 | 66.5 | 44.8 | 29.1 | 15.4 | 4.4 | .6 | 48.8 | 929 |
| 21-23 | 99.9 | 98.5 | 93.9 | 80.6 | 60.7 | 40.4 | 23.6 | 10.0 | 2.2 | 55.5 | 929 |
| ALL HOURS | 99.7 | 95.8 | 86.8 | 71.8 | 54.8 | 37.9 | 21.6 | 9.5 | 2.7 | 52.6 | 7436 |

MONTH: FEB

| | | | | | | | | | | | |
|--------------|-------|------|------|------|------|------|------|------|-----|------|------|
| 00-02 | 100.0 | 98.0 | 89.5 | 74.5 | 56.3 | 40.2 | 22.6 | 12.3 | 3.4 | 54.2 | 846 |
| 03-05 | 100.0 | 99.2 | 92.4 | 83.5 | 66.1 | 47.3 | 27.8 | 13.6 | 5.6 | 58.0 | 846 |
| 06-08 | 100.0 | 99.3 | 94.7 | 86.2 | 72.1 | 50.5 | 33.1 | 14.7 | 6.7 | 60.3 | 846 |
| 09-11 | 100.0 | 93.0 | 77.0 | 57.5 | 38.3 | 25.4 | 14.4 | 7.2 | 2.6 | 46.3 | 845 |
| 12-14 | 99.8 | 78.1 | 49.8 | 30.5 | 18.1 | 10.5 | 7.8 | 3.3 | .4 | 34.2 | 846 |
| 15-17 | 99.1 | 68.4 | 36.3 | 21.7 | 13.1 | 10.2 | 6.0 | 3.3 | .6 | 30.3 | 846 |
| 18-20 | 100.0 | 87.2 | 63.1 | 40.7 | 26.1 | 17.6 | 11.5 | 5.6 | 1.3 | 39.9 | 846 |
| 21-23 | 100.0 | 96.3 | 83.8 | 62.9 | 43.1 | 28.4 | 17.5 | 8.3 | 2.7 | 49.0 | 846 |
| ALL HOURS | 99.9 | 90.0 | 73.3 | 57.2 | 41.7 | 28.8 | 17.6 | 8.5 | 2.9 | 46.5 | 6767 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR

| HOURS LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | | | TOTAL OBS |
|--------------|--|------|------|------|------|------|------|-----|-----|------|-----------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | MEAN | |
| 00-02 | 100.0 | 95.9 | 77.8 | 52.3 | 33.4 | 18.2 | 9.1 | 3.9 | .6 | 43.6 | 930 |
| 03-05 | 100.0 | 98.3 | 88.3 | 66.1 | 45.8 | 26.7 | 13.1 | 5.5 | .6 | 49.0 | 930 |
| 06-08 | 100.0 | 98.7 | 87.6 | 68.4 | 48.0 | 28.5 | 13.9 | 5.2 | .3 | 49.5 | 930 |
| 09-11 | 100.0 | 81.8 | 54.8 | 30.8 | 16.2 | 9.1 | 5.1 | 2.3 | | 34.4 | 930 |
| 12-14 | 97.8 | 56.3 | 26.4 | 13.3 | 8.1 | 4.5 | 1.5 | .6 | .1 | 25.1 | 929 |
| 15-17 | 96.6 | 42.4 | 18.2 | 9.0 | 5.3 | 2.4 | .8 | .1 | | 21.5 | 930 |
| 18-20 | 99.4 | 63.2 | 33.9 | 18.1 | 9.4 | 4.9 | 2.6 | 1.0 | .1 | 27.6 | 930 |
| 21-23 | 99.8 | 88.1 | 60.5 | 36.1 | 19.9 | 11.2 | 5.6 | 1.6 | .4 | 36.7 | 930 |
| ALL HOURS | 99.2 | 78.1 | 55.9 | 36.8 | 23.3 | 13.2 | 6.5 | 2.5 | .3 | 35.9 | 7439 |

MONTH: APR

| | | | | | | | | | | | |
|--------------|-------|------|------|------|------|------|-----|-----|----|------|------|
| 00-02 | 99.8 | 86.4 | 59.2 | 35.3 | 19.7 | 9.8 | 5.0 | 2.6 | .7 | 36.3 | 900 |
| 03-05 | 100.0 | 92.8 | 73.4 | 50.3 | 29.2 | 15.6 | 7.2 | 3.7 | .6 | 41.7 | 900 |
| 06-08 | 100.0 | 92.4 | 67.6 | 44.7 | 25.3 | 14.3 | 6.7 | 3.6 | .7 | 39.9 | 900 |
| 09-11 | 98.2 | 65.9 | 36.0 | 16.9 | 7.7 | 4.2 | 2.8 | 1.8 | .2 | 27.8 | 900 |
| 12-14 | 95.4 | 42.7 | 17.9 | 7.0 | 4.2 | 2.7 | 2.0 | 1.2 | .2 | 21.5 | 900 |
| 15-17 | 95.3 | 33.0 | 11.8 | 6.8 | 3.2 | 2.1 | 1.6 | .8 | .4 | 19.4 | 900 |
| 18-20 | 97.7 | 49.7 | 24.4 | 10.3 | 5.9 | 3.3 | 2.4 | 1.6 | .6 | 23.6 | 900 |
| 21-23 | 99.4 | 75.9 | 45.6 | 24.2 | 11.3 | 6.1 | 2.9 | 1.6 | .6 | 31.1 | 900 |
| ALL HOURS | 98.2 | 67.3 | 42.0 | 24.4 | 13.3 | 7.3 | 3.8 | 2.1 | .5 | 30.2 | 7200 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY

| HOURS LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | | | TOTAL OBS |
|--------------|--|------|------|------|------|------|-----|-----|-----|------|-----------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | MEAN | |
| 00-02 | 99.9 | 85.9 | 55.7 | 35.9 | 21.2 | 12.9 | 5.4 | 2.3 | 1.0 | 36.2 | 930 |
| 03-05 | 100.0 | 93.3 | 68.8 | 48.8 | 29.8 | 18.4 | 9.2 | 3.7 | 1.0 | 41.7 | 930 |
| 06-08 | 100.0 | 87.6 | 60.5 | 40.8 | 24.7 | 13.3 | 6.8 | 2.5 | .6 | 38.2 | 930 |
| 09-11 | 99.6 | 60.5 | 35.1 | 16.5 | 6.0 | 3.4 | 1.2 | 1.0 | .3 | 26.6 | 930 |
| 12-14 | 98.4 | 39.4 | 15.7 | 4.7 | 1.8 | .9 | .8 | .2 | | 20.1 | 930 |
| 15-17 | 97.5 | 30.8 | 10.5 | 5.6 | 3.4 | 2.3 | 1.3 | .5 | .1 | 18.8 | 930 |
| 18-20 | 99.0 | 42.9 | 19.6 | 9.6 | 5.3 | 3.1 | 1.5 | 1.0 | .2 | 22.1 | 930 |
| 21-23 | 100.0 | 68.4 | 40.4 | 21.3 | 13.1 | 6.3 | 2.9 | 1.4 | .4 | 29.8 | 930 |
| ALL HOURS | 99.3 | 63.6 | 38.3 | 22.9 | 13.2 | 7.6 | 3.6 | 1.6 | .5 | 29.2 | 7440 |

MONTH: JUN

| | | | | | | | | | | | |
|--------------|-------|------|------|------|------|------|------|-----|-----|------|------|
| 00-02 | 99.8 | 88.8 | 63.1 | 43.6 | 28.4 | 17.4 | 8.3 | 2.7 | 1.4 | 39.7 | 900 |
| 03-05 | 100.0 | 95.0 | 76.9 | 57.6 | 39.3 | 25.0 | 12.6 | 4.8 | 2.2 | 45.8 | 900 |
| 06-08 | 100.0 | 91.6 | 74.0 | 51.2 | 32.1 | 17.9 | 8.1 | 3.0 | 1.6 | 42.4 | 900 |
| 09-11 | 99.3 | 71.6 | 45.9 | 24.4 | 12.5 | 6.3 | 1.6 | 1.1 | .6 | 30.4 | 899 |
| 12-14 | 99.6 | 49.4 | 23.2 | 10.2 | 5.4 | 2.7 | 1.8 | .8 | .2 | 23.3 | 900 |
| 15-17 | 99.4 | 40.9 | 19.2 | 8.7 | 4.6 | 2.0 | 1.2 | .8 | .4 | 21.3 | 900 |
| 18-20 | 99.7 | 49.7 | 27.1 | 16.3 | 8.9 | 3.6 | 1.9 | .7 | .3 | 24.7 | 900 |
| 21-23 | 99.2 | 73.0 | 47.0 | 29.4 | 19.4 | 10.1 | 4.7 | 1.9 | .7 | 32.8 | 900 |
| ALL HOURS | 99.6 | 70.0 | 47.1 | 30.2 | 18.8 | 10.6 | 5.0 | 2.0 | 1.0 | 32.5 | 7199 |

OPERATING LOCATION "A"
USAFETAC, ASSEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLoman AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL

| HOURS LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | | | TOTAL OBS |
|--------------|--|------|------|------|------|------|------|------|-----|------|-----------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | MEAN | |
| 00-02 | 100.0 | 97.8 | 92.6 | 74.0 | 52.0 | 33.8 | 20.6 | 9.6 | 2.3 | 52.9 | 930 |
| 03-05 | 100.0 | 98.5 | 97.0 | 88.9 | 66.6 | 44.4 | 29.1 | 15.7 | 6.5 | 59.1 | 930 |
| 06-08 | 100.0 | 97.6 | 95.8 | 82.9 | 58.5 | 38.5 | 22.4 | 10.5 | 4.0 | 55.4 | 930 |
| 09-11 | 100.0 | 95.4 | 80.5 | 46.7 | 21.7 | 8.9 | 3.7 | .9 | .3 | 40.2 | 930 |
| 12-14 | 100.0 | 86.7 | 53.0 | 21.1 | 7.5 | 2.8 | 1.0 | .2 | .1 | 31.5 | 930 |
| 15-17 | 100.0 | 78.8 | 42.8 | 20.9 | 10.1 | 4.9 | 1.5 | .1 | .1 | 30.2 | 930 |
| 18-20 | 100.0 | 87.1 | 60.6 | 34.6 | 20.4 | 9.6 | 4.4 | 1.3 | .3 | 36.1 | 930 |
| 21-23 | 100.0 | 96.3 | 82.6 | 60.0 | 39.7 | 23.3 | 12.3 | 5.3 | 1.6 | 46.5 | 930 |
| ALL HOURS | 100.0 | 92.3 | 75.6 | 53.6 | 34.6 | 20.8 | 11.9 | 5.4 | 1.9 | 44.0 | 7440 |

MONTH: AUG

| | | | | | | | | | | | |
|--------------|-------|-------|-------|------|------|------|------|------|-----|------|------|
| 00-02 | 100.0 | 100.0 | 100.0 | 95.1 | 78.8 | 55.1 | 31.9 | 12.9 | 5.8 | 62.3 | 930 |
| 03-05 | 100.0 | 100.0 | 100.0 | 99.2 | 92.5 | 71.2 | 44.9 | 21.7 | 8.3 | 67.9 | 930 |
| 06-08 | 100.0 | 100.0 | 100.0 | 97.3 | 87.2 | 63.0 | 38.7 | 16.6 | 7.3 | 65.3 | 930 |
| 09-11 | 100.0 | 99.6 | 95.4 | 72.3 | 39.8 | 19.7 | 7.8 | 2.7 | 1.4 | 48.3 | 930 |
| 12-14 | 100.0 | 97.7 | 74.9 | 36.7 | 13.3 | 5.6 | 1.6 | .6 | .4 | 37.5 | 930 |
| 15-17 | 100.0 | 95.2 | 62.0 | 30.4 | 14.2 | 7.2 | 3.3 | .9 | .3 | 35.8 | 930 |
| 18-20 | 100.0 | 97.8 | 81.2 | 54.4 | 28.4 | 14.0 | 8.1 | 2.8 | 1.2 | 43.3 | 930 |
| 21-23 | 100.0 | 100.0 | 97.3 | 83.3 | 61.4 | 35.1 | 18.0 | 6.6 | 2.6 | 54.7 | 930 |
| ALL HOURS | 100.0 | 98.8 | 88.9 | 71.1 | 51.9 | 33.8 | 19.3 | 8.1 | 3.4 | 51.9 | 7440 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320 STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM PERIOD OF RECORD: NOV 81 - OCT 91
LST TO UTC: + 7 MONTH: SEP

| HOURS LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | | | TOTAL OBS |
|--------------|--|-------|------|------|------|------|------|------|------|------|-----------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | MEAN | |
| 00-02 | 100.0 | 100.0 | 99.7 | 92.2 | 74.0 | 50.6 | 31.6 | 15.8 | 5.9 | 61.4 | 900 |
| 03-05 | 100.0 | 100.0 | 99.9 | 96.9 | 87.6 | 66.4 | 42.1 | 23.4 | 10.3 | 67.1 | 900 |
| 06-08 | 100.0 | 100.0 | 99.8 | 95.8 | 83.8 | 61.1 | 38.8 | 22.8 | 9.0 | 65.6 | 900 |
| 09-11 | 100.0 | 99.0 | 90.2 | 64.9 | 42.4 | 23.2 | 10.6 | 4.0 | 1.8 | 48.0 | 900 |
| 12-14 | 100.0 | 92.4 | 62.2 | 34.7 | 16.9 | 8.1 | 3.2 | 1.1 | .4 | 36.5 | 900 |
| 15-17 | 100.0 | 86.3 | 48.8 | 27.6 | 15.0 | 8.2 | 3.2 | 1.8 | .3 | 33.8 | 899 |
| 18-20 | 100.0 | 96.4 | 78.0 | 50.2 | 32.0 | 19.4 | 10.8 | 5.3 | 1.6 | 43.8 | 899 |
| 21-23 | 100.0 | 99.9 | 96.1 | 79.1 | 53.1 | 34.9 | 22.5 | 9.7 | 3.2 | 54.2 | 899 |
| ALL HOURS | 100.0 | 96.8 | 84.3 | 67.7 | 50.6 | 34.0 | 20.3 | 10.5 | 4.1 | 51.3 | 7197 |

MONTH: OCT

| | | | | | | | | | | | |
|--------------|-------|------|------|------|------|------|------|------|------|------|------|
| 00-02 | 100.0 | 99.7 | 96.8 | 86.6 | 68.8 | 49.9 | 34.1 | 21.7 | 7.4 | 61.0 | 930 |
| 03-05 | 100.0 | 99.8 | 98.2 | 93.5 | 82.9 | 60.6 | 39.1 | 26.1 | 10.3 | 65.5 | 930 |
| 06-08 | 100.0 | 99.9 | 98.7 | 92.5 | 79.4 | 58.7 | 37.5 | 23.9 | 8.4 | 64.5 | 929 |
| 09-11 | 100.0 | 96.9 | 83.0 | 59.5 | 36.7 | 22.3 | 11.8 | 5.5 | 1.0 | 46.3 | 930 |
| 12-14 | 99.5 | 84.3 | 55.2 | 28.8 | 15.4 | 9.9 | 5.2 | 2.5 | .9 | 34.8 | 930 |
| 15-17 | 99.1 | 76.4 | 42.1 | 23.8 | 14.5 | 9.0 | 5.3 | 2.9 | .8 | 31.8 | 929 |
| 18-20 | 100.0 | 94.9 | 75.7 | 50.3 | 32.5 | 22.2 | 14.3 | 7.6 | 1.7 | 44.3 | 927 |
| 21-23 | 100.0 | 99.2 | 91.0 | 74.0 | 51.2 | 36.8 | 25.9 | 13.5 | 4.0 | 54.1 | 927 |
| ALL HOURS | 99.8 | 93.9 | 80.1 | 63.6 | 47.7 | 33.7 | 21.6 | 13.0 | 4.3 | 50.3 | 7432 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV

| HOURS LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | | | TOTAL OBS |
|--------------|--|------|------|------|------|------|------|------|-----|------|-----------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | MEAN | |
| 00-02 | 100.0 | 99.3 | 93.6 | 75.7 | 53.9 | 40.0 | 24.4 | 9.8 | 1.4 | 54.3 | 900 |
| 03-05 | 100.0 | 99.8 | 96.3 | 83.2 | 62.0 | 46.3 | 29.4 | 13.3 | 2.2 | 57.7 | 900 |
| 06-08 | 100.0 | 99.8 | 97.1 | 83.8 | 64.3 | 46.7 | 30.7 | 14.4 | 2.4 | 58.6 | 900 |
| 09-11 | 100.0 | 95.1 | 74.1 | 49.6 | 33.4 | 21.7 | 12.7 | 5.0 | 1.3 | 43.8 | 897 |
| 12-14 | 99.4 | 76.8 | 45.4 | 26.2 | 13.8 | 8.1 | 5.6 | 3.0 | .6 | 32.4 | 900 |
| 15-17 | 99.8 | 73.6 | 41.2 | 24.2 | 12.2 | 8.1 | 5.2 | 2.8 | 1.0 | 31.2 | 900 |
| 18-20 | 100.0 | 94.8 | 72.6 | 48.0 | 31.6 | 19.8 | 9.9 | 4.9 | .8 | 42.8 | 900 |
| 21-23 | 100.0 | 98.9 | 86.4 | 65.1 | 45.8 | 29.8 | 17.6 | 7.8 | .6 | 49.8 | 900 |
| ALL HOURS | 99.9 | 92.2 | 75.9 | 57.0 | 39.6 | 27.6 | 16.9 | 7.6 | 1.3 | 46.3 | 7197 |

MONTH: DEC

| | | | | | | | | | | | |
|--------------|-------|------|------|------|------|------|------|------|-----|------|------|
| 00-02 | 100.0 | 99.8 | 96.1 | 87.7 | 71.1 | 54.9 | 33.3 | 16.6 | 2.8 | 60.7 | 930 |
| 03-05 | 100.0 | 99.9 | 97.7 | 91.6 | 76.2 | 60.8 | 39.7 | 19.0 | 3.5 | 63.4 | 930 |
| 06-08 | 100.0 | 99.9 | 98.0 | 92.7 | 80.0 | 65.4 | 43.3 | 20.4 | 4.3 | 65.1 | 930 |
| 09-11 | 100.0 | 98.3 | 88.3 | 71.7 | 53.3 | 37.8 | 24.3 | 12.6 | 2.8 | 53.4 | 930 |
| 12-14 | 99.8 | 87.8 | 65.8 | 45.0 | 30.5 | 22.1 | 13.5 | 5.8 | 1.1 | 41.7 | 929 |
| 15-17 | 99.4 | 85.2 | 59.8 | 42.3 | 29.5 | 20.8 | 12.3 | 4.6 | 1.4 | 40.0 | 930 |
| 18-20 | 100.0 | 97.2 | 83.1 | 70.1 | 54.5 | 34.8 | 23.3 | 10.4 | 1.0 | 52.0 | 929 |
| 21-23 | 100.0 | 98.7 | 91.7 | 78.8 | 65.1 | 45.6 | 28.5 | 13.1 | 1.9 | 56.9 | 930 |
| ALL HOURS | 99.9 | 95.8 | 85.1 | 72.5 | 57.5 | 42.8 | 27.3 | 12.8 | 2.4 | 54.2 | 7438 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE OF RELATIVE HUMIDITY
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: ALL

| HOURS LST | RELATIVE HUMIDITY GREATER THAN OR EQUAL TO | | | | | | | | | MEAN | TOTAL OBS |
|--------------|--|------|------|------|------|------|------|------|-----|------|-----------|
| | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 00-02 | 100.0 | 95.9 | 85.2 | 70.3 | 52.7 | 36.3 | 21.3 | 10.3 | 3.1 | 52.0 | 10956 |
| 03-05 | 100.0 | 98.0 | 90.6 | 79.4 | 63.2 | 45.3 | 27.6 | 14.0 | 4.8 | 56.7 | 10956 |
| 06-08 | 100.0 | 97.2 | 89.4 | 77.5 | 61.5 | 43.4 | 26.6 | 13.1 | 4.2 | 55.8 | 10955 |
| 09-11 | 99.8 | 87.9 | 71.0 | 48.7 | 30.1 | 17.9 | 9.5 | 4.4 | 1.2 | 41.5 | 10951 |
| 12-14 | 99.1 | 73.6 | 46.7 | 25.2 | 13.2 | 7.6 | 4.2 | 1.8 | .4 | 31.5 | 10953 |
| 15-17 | 98.8 | 66.3 | 37.9 | 21.3 | 12.1 | 7.4 | 3.9 | 1.6 | .5 | 29.2 | 10953 |
| 18-20 | 99.6 | 79.9 | 58.8 | 39.2 | 25.0 | 15.1 | 8.8 | 3.9 | .8 | 37.4 | 10950 |
| 21-23 | 99.9 | 91.1 | 76.4 | 58.0 | 40.4 | 25.7 | 15.2 | 6.7 | 1.7 | 46.0 | 10951 |
| ALL HOURS | 99.6 | 86.2 | 69.5 | 52.4 | 37.3 | 24.9 | 14.6 | 7.0 | 2.1 | 43.8 | 87625 |

| | | | | |
|----------|------------|----------|----------|----------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTT | FFFFFFFF |
| PPPPPPPP | AAAAAAAA | RRRRRRRR | TTTTTTTT | FFFFFFFF |
| PP PP | AA AA | RR RR | TT | FF |
| PP PP | AA AA | RR RR | TT | FF |
| PPPPPPPP | AA AA | RRRRRRRR | TT | FFFFFF |
| PPPPPPPP | AAAAAAAAAA | RRRRRRRR | TT | FFFFFF |
| PP | AAAAAAAAAA | RR RR | TT | FF |
| PP | AA AA | RR RR | TT | FF |
| PP | AA AA | RR RR | TT | FF |
| PP | AA AA | RR RR | TT | FF |

PART F

PRESSURE SUMMARIES

ALL PRESSURE DATA IN PART F IS TAKEN FROM HOURLY OBSERVATIONS. IT IS SUMMARIZED:

- BY EIGHT 3-HOUR STANDARD SYNOPTIC REPORTING TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).

SEA LEVEL PRESSURE.

IN MILLIBARS, TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS. THIS SUMMARY IS NOT AVAILABLE FOR METAR REPORTING SITES.

ALTIMETER SETTING.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS, AND TOTAL OBSERVATION COUNTS.

STATION PRESSURE.

IN INCHES OF MERCURY (HG), TABLES GIVE MEANS, STANDARD DEVIATIONS AND TOTAL OBSERVATION COUNTS.

PRESSURE CONVERSIONS ARE: 1 MILLIBAR = 0.02953 INCHES OF MERCURY (HG).

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

SEA LEVEL PRESSURE IN MILLIBARS
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91

| HOURS (LST) | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0200 | MEAN | 1019.4 | 1016.4 | 1012.7 | 1011.2 | 1009.6 | 1009.7 | 1012.6 | 1013.5 | 1013.6 | 1015.5 | 1016.4 | 1018.7 | 1014.1 |
| | SD | 6.363 | 6.300 | 6.382 | 5.311 | 4.167 | 3.489 | 3.090 | 2.715 | 3.990 | 4.589 | 6.058 | 6.999 | 6.005 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 0500 | MEAN | 1019.5 | 1016.6 | 1013.1 | 1011.9 | 1010.7 | 1010.9 | 1013.4 | 1014.1 | 1014.4 | 1016.2 | 1016.9 | 1018.9 | 1014.7 |
| | SD | 6.388 | 6.372 | 6.450 | 5.317 | 4.222 | 3.399 | 3.018 | 2.659 | 3.996 | 4.641 | 5.996 | 6.967 | 5.873 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3651 |
| 0800 | MEAN | 1021.6 | 1018.8 | 1014.9 | 1013.4 | 1011.9 | 1012.1 | 1014.6 | 1015.4 | 1015.9 | 1018.1 | 1018.8 | 1021.0 | 1016.4 |
| | SD | 6.445 | 6.449 | 6.724 | 5.362 | 4.215 | 3.358 | 2.971 | 2.571 | 3.957 | 4.723 | 6.179 | 7.129 | 6.091 |
| | TOT OBS | 309 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3651 |
| 1100 | MEAN | 1021.4 | 1018.4 | 1014.3 | 1012.8 | 1011.2 | 1011.3 | 1013.7 | 1014.8 | 1015.2 | 1017.2 | 1018.1 | 1020.7 | 1015.7 |
| | SD | 6.244 | 6.418 | 6.685 | 5.467 | 4.147 | 3.392 | 2.931 | 2.630 | 3.901 | 4.795 | 6.086 | 7.002 | 6.129 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 309 | 3651 |
| 1400 | MEAN | 1018.0 | 1015.3 | 1011.4 | 1010.2 | 1008.9 | 1009.1 | 1011.5 | 1012.4 | 1012.7 | 1014.3 | 1015.0 | 1017.5 | 1013.0 |
| | SD | 6.173 | 6.208 | 6.535 | 5.487 | 4.081 | 3.330 | 2.927 | 2.713 | 3.860 | 4.694 | 5.975 | 6.902 | 5.877 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 309 | 300 | 310 | 300 | 310 | 3651 |
| 1700 | MEAN | 1017.9 | 1014.8 | 1010.6 | 1009.0 | 1007.5 | 1007.7 | 1010.2 | 1011.3 | 1011.8 | 1013.8 | 1015.1 | 1017.8 | 1012.3 |
| | SD | 6.127 | 6.157 | 6.285 | 5.396 | 4.178 | 3.486 | 2.976 | 2.762 | 3.875 | 4.643 | 5.916 | 6.751 | 6.120 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3651 |
| 2000 | MEAN | 1019.9 | 1016.7 | 1012.1 | 1010.1 | 1008.2 | 1008.3 | 1011.2 | 1012.5 | 1013.2 | 1015.4 | 1016.8 | 1019.6 | 1013.7 |
| | SD | 6.265 | 6.153 | 6.191 | 5.216 | 4.263 | 3.568 | 3.184 | 2.733 | 3.923 | 4.652 | 6.043 | 6.920 | 6.387 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3651 |
| 2300 | MEAN | 1019.7 | 1016.8 | 1012.7 | 1011.1 | 1009.5 | 1009.8 | 1012.8 | 1013.6 | 1013.7 | 1015.5 | 1016.7 | 1019.4 | 1014.3 |
| | SD | 6.334 | 6.186 | 6.236 | 5.147 | 4.137 | 3.631 | 3.132 | 2.746 | 3.988 | 4.655 | 6.095 | 6.927 | 6.075 |
| | TOT OBS | 310 | 282 | 309 | 299 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 309 | 3648 |
| ALL HOURS | MEAN | 1019.7 | 1016.7 | 1012.7 | 1011.2 | 1009.7 | 1009.9 | 1012.5 | 1013.4 | 1013.8 | 1015.7 | 1016.7 | 1019.2 | 1014.3 |
| | SD | 6.420 | 6.412 | 6.573 | 5.513 | 4.409 | 3.738 | 3.319 | 2.968 | 4.131 | 4.856 | 6.166 | 7.049 | 6.202 |
| | TOT OBS | 2479 | 2256 | 2479 | 2399 | 2480 | 2400 | 2480 | 2479 | 2400 | 2477 | 2400 | 2477 | 29206 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

ALTIMETER SETTING IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91

| HOURS (LST) | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0200 | MEAN | 30.12 | 30.07 | 29.99 | 29.98 | 29.97 | 30.00 | 30.09 | 30.11 | 30.09 | 30.11 | 30.08 | 30.11 | 30.06 |
| | SD | .167 | .166 | .170 | .137 | .112 | .094 | .080 | .072 | .105 | .124 | .156 | .181 | .146 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 0500 | MEAN | 30.12 | 30.07 | 29.99 | 29.99 | 29.99 | 30.03 | 30.11 | 30.12 | 30.11 | 30.12 | 30.09 | 30.10 | 30.07 |
| | SD | .168 | .169 | .173 | .138 | .112 | .090 | .078 | .072 | .105 | .126 | .155 | .182 | .145 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3651 |
| 0800 | MEAN | 30.16 | 30.11 | 30.04 | 30.04 | 30.03 | 30.07 | 30.14 | 30.16 | 30.14 | 30.16 | 30.13 | 30.14 | 30.11 |
| | SD | .167 | .171 | .180 | .142 | .114 | .091 | .077 | .070 | .105 | .128 | .159 | .183 | .146 |
| | TOT OBS | 309 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3650 |
| 1100 | MEAN | 30.17 | 30.12 | 30.03 | 30.03 | 30.01 | 30.05 | 30.12 | 30.14 | 30.13 | 30.15 | 30.13 | 30.15 | 30.10 |
| | SD | .165 | .172 | .182 | .146 | .113 | .091 | .075 | .069 | .103 | .130 | .159 | .183 | .148 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 1400 | MEAN | 30.08 | 30.03 | 29.95 | 29.95 | 29.95 | 29.98 | 30.06 | 30.08 | 30.06 | 30.07 | 30.04 | 30.07 | 30.03 |
| | SD | .163 | .167 | .178 | .146 | .110 | .089 | .075 | .071 | .101 | .129 | .157 | .180 | .145 |
| | TOT OBS | 310 | 282 | 310 | 299 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3650 |
| 1700 | MEAN | 30.07 | 30.01 | 29.92 | 29.91 | 29.90 | 29.94 | 30.01 | 30.04 | 30.03 | 30.05 | 30.03 | 30.07 | 30.00 |
| | SD | .163 | .165 | .171 | .143 | .111 | .092 | .076 | .072 | .101 | .127 | .155 | .176 | .147 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3651 |
| 2000 | MEAN | 30.11 | 30.05 | 29.96 | 29.94 | 29.92 | 29.96 | 30.05 | 30.07 | 30.06 | 30.08 | 30.07 | 30.10 | 30.03 |
| | SD | .163 | .161 | .165 | .136 | .113 | .094 | .081 | .072 | .102 | .125 | .155 | .177 | .147 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3651 |
| 2300 | MEAN | 30.12 | 30.07 | 29.99 | 29.98 | 29.97 | 30.00 | 30.09 | 30.11 | 30.09 | 30.10 | 30.08 | 30.12 | 30.06 |
| | SD | .167 | .163 | .167 | .133 | .110 | .097 | .081 | .073 | .105 | .126 | .157 | .177 | .146 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 308 | 3649 |
| ALL HOURS | MEAN | 30.12 | 30.06 | 29.99 | 29.98 | 29.97 | 30.00 | 30.08 | 30.10 | 30.09 | 30.10 | 30.08 | 30.11 | 30.06 |
| | SD | .168 | .170 | .177 | .146 | .119 | .101 | .087 | .080 | .109 | .132 | .160 | .182 | .150 |
| | TOT OBS | 2479 | 2256 | 2480 | 2399 | 2480 | 2400 | 2480 | 2480 | 2400 | 2474 | 2400 | 2478 | 29206 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

STATION PRESSURE IN INCHES
FROM HOURLY OBSERVATIONS

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91

| HOURS (LST) | STATS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0200 | MEAN | 25.92 | 25.87 | 25.81 | 25.80 | 25.79 | 25.82 | 25.90 | 25.91 | 25.90 | 25.91 | 25.89 | 25.91 | 25.87 |
| | SD | .148 | .147 | .150 | .121 | .099 | .083 | .071 | .064 | .093 | .110 | .138 | .161 | .129 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 0500 | MEAN | 25.92 | 25.87 | 25.81 | 25.81 | 25.81 | 25.84 | 25.91 | 25.92 | 25.91 | 25.92 | 25.89 | 25.91 | 25.88 |
| | SD | .149 | .149 | .153 | .122 | .099 | .080 | .070 | .063 | .093 | .111 | .138 | .161 | .128 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3651 |
| 0800 | MEAN | 25.95 | 25.91 | 25.85 | 25.85 | 25.84 | 25.88 | 25.94 | 25.95 | 25.94 | 25.96 | 25.93 | 25.94 | 25.91 |
| | SD | .148 | .152 | .159 | .126 | .101 | .081 | .069 | .062 | .093 | .113 | .140 | .162 | .129 |
| | TOT OBS | 309 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3650 |
| 1100 | MEAN | 25.97 | 25.92 | 25.85 | 25.84 | 25.83 | 25.86 | 25.93 | 25.94 | 25.94 | 25.95 | 25.93 | 25.95 | 25.91 |
| | SD | .146 | .153 | .161 | .130 | .100 | .081 | .067 | .062 | .091 | .115 | .141 | .162 | .131 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 310 | 300 | 310 | 3652 |
| 1400 | MEAN | 25.89 | 25.84 | 25.77 | 25.77 | 25.77 | 25.80 | 25.87 | 25.89 | 25.87 | 25.88 | 25.85 | 25.88 | 25.84 |
| | SD | .145 | .148 | .158 | .129 | .098 | .079 | .066 | .063 | .089 | .114 | .139 | .159 | .129 |
| | TOT OBS | 310 | 282 | 310 | 299 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3650 |
| 1700 | MEAN | 25.88 | 25.83 | 25.75 | 25.74 | 25.73 | 25.76 | 25.83 | 25.85 | 25.84 | 25.86 | 25.85 | 25.87 | 25.81 |
| | SD | .144 | .146 | .151 | .127 | .098 | .081 | .067 | .064 | .089 | .112 | .137 | .156 | .130 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3651 |
| 2000 | MEAN | 25.91 | 25.86 | 25.78 | 25.76 | 25.75 | 25.78 | 25.86 | 25.88 | 25.87 | 25.89 | 25.88 | 25.90 | 25.84 |
| | SD | .144 | .142 | .146 | .121 | .100 | .084 | .072 | .064 | .091 | .111 | .138 | .157 | .130 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 309 | 300 | 310 | 3651 |
| 2300 | MEAN | 25.92 | 25.87 | 25.81 | 25.80 | 25.78 | 25.82 | 25.90 | 25.91 | 25.89 | 25.91 | 25.89 | 25.92 | 25.87 |
| | SD | .144 | .149 | .148 | .116 | .095 | .086 | .070 | .066 | .096 | .111 | .143 | .157 | .129 |
| | TOT OBS | 310 | 282 | 310 | 300 | 310 | 300 | 310 | 310 | 300 | 307 | 300 | 310 | 3649 |
| ALL HOURS | MEAN | 25.92 | 25.87 | 25.80 | 25.80 | 25.79 | 25.82 | 25.89 | 25.91 | 25.90 | 25.91 | 25.89 | 25.91 | 25.87 |
| | SD | .149 | .151 | .157 | .129 | .105 | .090 | .078 | .071 | .097 | .117 | .142 | .161 | .133 |
| | TOT OBS | 2479 | 2256 | 2480 | 2399 | 2480 | 2400 | 2480 | 2480 | 2400 | 2472 | 2400 | 2480 | 29206 |

| | | | | |
|----------|-----------|-----------|------------|----------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTTTT | GGGGGG |
| PPPPPPPP | AAAAAAA | RRRRRRRRR | TTTTTTTTTT | GGGGGGGG |
| PP PP | AA AA | RR RR | TT | GG GG |
| PP PP | AA AA | RR RR | TT | GG |
| PPPPPPPP | AA AA | RRRRRRRRR | TT | GG |
| PPPPPPPP | AAAAAAAAA | RRRRRRRR | TT | GG GGG |
| PP | AAAAAAAAA | RR RR | TT | GG GGGGG |
| PP | AA AA | RR RR | TT | GG GG |
| PP | AA AA | RR RR | TT | GGGGGGGG |
| PP | AA AA | RR RR | TT | GGGGGG |

G - 1 - 1

PART G

CROSSWIND SUMMARY

CROSSWIND SUMMARIES.

THESE TABLES ARE CREATED FROM HOURLY AND SPECIAL OBSERVATIONS (INCLUDING PEAK GUST REMARKS). THE TABLES ARE SUMMARIZED AS FOLLOWS:

- BY EIGHT 3-HOUR STANDARD TIME PERIODS FOR EACH MONTH (ALL YEARS COMBINED).
- BY MONTH (ALL YEARS AND ALL HOURS COMBINED).
- BY MONTH (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).
- BY YEAR (ALL YEARS AND ALL HOURS COMBINED).
- BY YEAR (ALL YEARS AND THE HOURS 0600-2000 LST COMBINED).

THE TABLES GIVE PERCENT OCCURRENCE FREQUENCY (POF) OF THE "CROSS-RUNWAY WIND COMPONENT" FOR THE WIND SPEED CLASSES SPECIFIED IN THE TABLE HEADINGS. THERE ARE TWO COMPONENT CATEGORIES:

THE FIRST COMPONENT IS COMPUTED FROM THE REPORTED WIND DIRECTION AND WIND SPEED FROM HOURLY RECORD OR RECORD-SPECIAL OBSERVATIONS.

THE SECOND COMPONENT IS COMPUTED FROM THE HIGHEST REPORTED WIND SPEED AND DIRECTION FROM ALL OBSERVATIONS INCLUDING REMARKS, GUSTS, AND SPECIAL OBSERVATIONS.

OBSERVATION COUNTS INCLUDE CALM WINDS.

VARIABLE WINDS ARE CONSIDERED A DIRECT CROSSWIND IF THE SPEED EQUALS OR EXCEEDS THE SPECIFIED THRESHOLD WIND SPEED VALUE(S).

A TOTAL OBSERVATION COUNT IS INCLUDED.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLoman AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JAN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .6 | .1 | | 930 | 1.3 | .3 | | 930 | .9 | .2 | | 930 | 1.8 | .1 | | 930 |
| CATEGORY B | .8 | .2 | | 947 | 1.6 | .7 | .1 | 962 | 1.0 | .3 | | 958 | 2.2 | .8 | | 954 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 3.9 | 1.7 | | 930 | 4.9 | 1.7 | | 930 | 1.5 | .4 | | 930 | 1.0 | .2 | | 930 |
| CATEGORY B | 4.8 | 2.0 | .5 | 964 | 5.4 | 2.2 | .4 | 948 | 1.9 | 1.0 | .2 | 946 | 1.2 | .7 | .1 | 946 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 2.6 | .8 | | 4650 | 2.0 | .6 | | 7440 |
| CATEGORY B | 3.1 | 1.3 | .2 | 4770 | 2.4 | 1.0 | .2 | 7625 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: FEB

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .6 | | | 846 | .7 | .2 | | 846 | .9 | | | 846 | 3.1 | .8 | .1 | 846 |
| CATEGORY B | .9 | .2 | | 880 | 1.2 | .7 | | 909 | .9 | .2 | | 920 | 4.0 | 2.2 | .4 | 908 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 6.4 | 1.9 | .1 | 846 | 6.7 | 2.5 | .6 | 846 | 4.0 | .8 | .1 | 846 | 1.3 | .2 | | 846 |
| CATEGORY B | 7.5 | 3.1 | .7 | 908 | 7.6 | 3.6 | 1.2 | 897 | 4.4 | 2.3 | .7 | 877 | 1.8 | .3 | .1 | 889 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 4.2 | 1.2 | .2 | 4230 | 3.0 | .8 | .1 | 6768 |
| CATEGORY B | 4.9 | 2.3 | .6 | 4510 | 3.5 | 1.6 | .4 | 7188 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 1.4 | .6 | | 930 | 2.0 | .2 | | 930 | 2.4 | .3 | | 930 | 7.7 | 2.3 | .1 | 930 |
| CATEGORY B | 1.5 | .7 | | 957 | 2.2 | .6 | .1 | 948 | 2.8 | 1.1 | | 973 | 9.7 | 5.5 | .9 | 972 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 15.7 | 5.7 | .5 | 930 | 20.2 | 8.1 | .5 | 930 | 11.2 | 3.2 | .2 | 930 | 4.2 | 1.5 | | 930 |
| CATEGORY B | 19.4 | 11.4 | 3.7 | 958 | 23.5 | 15.4 | 4.7 | 953 | 11.8 | 4.7 | .6 | 943 | 5.1 | 2.3 | .2 | 937 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 11.4 | 3.9 | .3 | 4650 | 8.1 | 2.7 | .2 | 7440 |
| CATEGORY B | 13.4 | 7.6 | 2.0 | 4799 | 9.5 | 5.2 | 1.3 | 7641 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: APR

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (BOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 2.3 | .7 | | 900 | 1.6 | .4 | .1 | 900 | 1.6 | .6 | | 900 | 8.0 | 1.8 | .2 | 900 |
| CATEGORY B | 2.6 | 1.3 | .1 | 907 | 1.8 | 1.2 | .3 | 906 | 1.6 | .9 | .3 | 912 | 9.7 | 4.5 | .8 | 914 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 15.0 | 4.3 | .4 | 900 | 21.7 | 10.6 | .9 | 900 | 12.9 | 4.4 | .1 | 900 | 3.4 | .8 | | 900 |
| CATEGORY B | 19.0 | 11.0 | 2.5 | 921 | 24.3 | 15.2 | 5.5 | 937 | 13.4 | 6.6 | 2.1 | 919 | 3.8 | 1.1 | .2 | 917 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 11.8 | 4.3 | .3 | 4500 | 8.3 | 2.9 | .2 | 7200 |
| CATEGORY B | 13.7 | 7.7 | 2.3 | 4603 | 9.6 | 5.3 | 1.5 | 7333 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: MAY

CATEGORY A: ANY CEILING OR V.SIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .4 | | | 930 | .3 | | | 930 | .9 | | | 930 | 5.8 | .6 | | 930 |
| CATEGORY B | .6 | | | 953 | .3 | | | 947 | 1.1 | .1 | | 950 | 7.7 | 2.8 | .1 | 944 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 11.9 | 1.9 | | 930 | 19.0 | 4.4 | .3 | 930 | 11.0 | 2.3 | .1 | 930 | 1.9 | .3 | | 930 |
| CATEGORY B | 18.3 | 9.5 | .9 | 975 | 22.4 | 10.3 | 1.7 | 974 | 11.6 | 4.1 | .6 | 972 | 2.4 | .9 | .2 | 958 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 9.7 | 1.8 | .1 | 4650 | 6.4 | 1.2 | .1 | 7440 |
| CATEGORY B | 12.3 | 5.4 | .7 | 4815 | 8.1 | 3.5 | .5 | 7673 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUN

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .8 | | | 900 | .1 | | | 900 | .8 | | | 900 | 1.9 | | | 900 |
| CATEGORY B | 1.0 | | | 928 | .2 | .1 | | 914 | .8 | | | 916 | 3.1 | .9 | | 916 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 5.6 | .8 | | 900 | 12.0 | 2.2 | | 900 | 5.1 | .6 | | 900 | 1.4 | .1 | | 900 |
| CATEGORY B | 9.1 | 3.8 | | 943 | 15.9 | 6.8 | .3 | 952 | 6.7 | 2.2 | .2 | 961 | 2.0 | .8 | | 930 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 5.1 | .7 | | 4500 | 3.5 | .5 | | 7200 |
| CATEGORY B | 7.2 | 2.8 | .1 | 4688 | 4.9 | 1.8 | .1 | 7460 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLOWMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: JUL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .5 | .1 | | 930 | | | | 930 | | | | 930 | .6 | .1 | | 930 |
| CATEGORY B | .9 | .2 | | 986 | .1 | | | 960 | .1 | | | 961 | .9 | .3 | | 941 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 4.0 | 1.2 | | 930 | 7.6 | .6 | .1 | 930 | 3.9 | .5 | | 930 | 2.2 | .5 | | 930 |
| CATEGORY B | 6.9 | 3.1 | .4 | 1018 | 10.4 | 2.6 | .1 | 1047 | 4.9 | 1.2 | .4 | 1036 | 3.3 | 1.5 | .1 | 1008 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 3.2 | .5 | .0 | 4650 | 2.4 | .4 | .0 | 7440 |
| CATEGORY B | 4.8 | 1.5 | .2 | 5003 | 3.5 | 1.1 | .1 | 7957 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLoman AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: AUG

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .5 | | | 930 | .1 | | | 930 | .1 | | | 930 | | | | 930 |
| CATEGORY B | 1.2 | .2 | | 1007 | .1 | | | 983 | .1 | | | 983 | .1 | | | 962 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|------|-------------|------|------|------|-------------|------|------|------|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 2.9 | .4 | | 930 | 6.3 | 1.1 | | 930 | 2.5 | .2 | | 930 | 1.4 | .1 | | 930 |
| CATEGORY B | 5.4 | 2.5 | .7 | 1032 | 8.3 | 2.7 | .4 | 1044 | 3.9 | 1.0 | .2 | 1023 | 1.7 | .7 | | 984 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 2.4 | .3 | | 4650 | 1.7 | .2 | | 7440 |
| CATEGORY B | 3.7 | 1.3 | .3 | 5044 | 2.7 | .9 | .2 | 8018 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: BOLLAMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: SEP

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .6 | | | 900 | .3 | | | 900 | .2 | | | 900 | .9 | .1 | | 900 |
| CATEGORY B | 1.0 | .2 | | 939 | .5 | .1 | | 939 | .4 | .1 | | 958 | 1.2 | .3 | .1 | 921 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 2.7 | .3 | | 900 | 5.3 | 1.0 | | 900 | .8 | | | 900 | 1.0 | .2 | | 900 |
| CATEGORY B | 4.2 | 1.3 | | 934 | 7.6 | 2.8 | .1 | 963 | 1.7 | .5 | .3 | 932 | 1.3 | .5 | | 926 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 2.0 | .3 | | 4500 | 1.5 | .2 | | 7200 |
| CATEGORY B | 3.0 | 1.0 | .1 | 4708 | 2.2 | .7 | .1 | 7512 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: BOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: OCT

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .8 | .2 | | 930 | .2 | | | 930 | .1 | | | 930 | 1.1 | .1 | | 930 |
| CATEGORY B | .7 | .3 | | 940 | .3 | .2 | .1 | 967 | .3 | .1 | | 954 | 1.6 | .2 | | 939 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 3.0 | .1 | | 930 | 4.3 | .5 | | 929 | 1.7 | .6 | | 927 | .3 | .1 | | 927 |
| CATEGORY B | 4.8 | .7 | .1 | 947 | 5.6 | 1.9 | .4 | 952 | 2.0 | 1.2 | | 955 | .3 | .1 | | 946 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 2.0 | .3 | | 4646 | 1.4 | .2 | | 7433 |
| CATEGORY B | 2.8 | .8 | .1 | 4747 | 1.9 | .6 | .1 | 7600 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: NOV

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 1.6 | .2 | | 900 | .7 | | | 900 | .6 | | | 900 | 2.6 | .2 | .1 | 900 |
| CATEGORY B | 2.2 | .6 | .3 | 929 | 1.0 | .4 | | 923 | .7 | | | 935 | 3.2 | .8 | .2 | 914 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 5.1 | 1.0 | | 900 | 4.8 | 1.0 | | 900 | 2.1 | .3 | | 900 | 1.4 | .2 | | 900 |
| CATEGORY B | 6.7 | 2.2 | .6 | 909 | 5.7 | 2.5 | .7 | 913 | 2.8 | 1.1 | .2 | 918 | 2.1 | .9 | | 913 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 3.0 | .5 | .0 | 4500 | 2.3 | .4 | .0 | 7200 |
| CATEGORY B | 3.8 | 1.3 | .3 | 4589 | 3.0 | 1.1 | .2 | 7354 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: DEC

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|------|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .5 | | | 930 | .5 | .1 | | 920 | 1.0 | | | 930 | 1.5 | .1 | | 930 |
| CATEGORY B | .7 | .1 | | 978 | .8 | .2 | | 973 | 1.2 | .1 | | 1011 | 2.0 | 1.2 | | 986 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 3.9 | .8 | | 930 | 4.2 | 1.1 | | 930 | 1.1 | | | 930 | .9 | .1 | | 930 |
| CATEGORY B | 4.7 | 3.1 | .3 | 971 | 4.6 | 2.3 | .6 | 962 | 1.5 | .7 | | 960 | 1.3 | .5 | | 969 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|------|-----------|------|------|------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 2.3 | .4 | | 4650 | 1.7 | .3 | | 7440 |
| CATEGORY B | 2.8 | 1.5 | .2 | 4890 | 2.1 | 1.0 | .1 | 7810 |

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

PERCENTAGE FREQUENCY OF OCCURRENCE OF CROSSWINDS
FROM HOURLY OBSERVATIONS

MAGNETIC RUNWAY HEADING: 155-335

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: NOV 81 - OCT 91
MONTH: ALL

CATEGORY A: ANY CEILING OR VISIBILITY (HOURLY OBS ONLY)

CATEGORY B: HIGHEST WINDS REPORTED WITHIN THE HOUR (HOURLIES + SPECIALS)

| TIME (LST) | 0000 - 0200 | | | | 0300 - 0500 | | | | 0600 - 0800 | | | | 0900 - 1100 | | | |
|-------------|-------------|------|------|-------|-------------|------|------|-------|-------------|------|------|-------|-------------|------|------|-------|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | .9 | .2 | | 10956 | .7 | .1 | .0 | 10956 | .8 | .1 | | 10956 | 2.9 | .5 | .0 | 10956 |
| CATEGORY B | 1.2 | .3 | .0 | 11351 | .8 | .4 | .1 | 11331 | .9 | .2 | .0 | 11431 | 3.8 | 1.6 | .2 | 11271 |

| TIME (LST) | 1200 - 1400 | | | | 1500 - 1700 | | | | 1800 - 2000 | | | | 2100 - 2300 | | | |
|-------------|-------------|------|------|-------|-------------|------|------|-------|-------------|------|------|-------|-------------|------|------|-------|
| SPEED (KTS) | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 6.7 | 1.7 | .1 | 10956 | 9.8 | 2.9 | .2 | 10955 | 4.8 | 1.1 | .0 | 10953 | 1.7 | .4 | | 10953 |
| CATEGORY B | 9.2 | 4.5 | .9 | 11480 | 11.8 | 5.6 | 1.3 | 11542 | 5.5 | 2.2 | .5 | 11442 | 2.2 | .9 | .1 | 11323 |

| TIME (LST) | 0600 - 2000 | | | | ALL HOURS | | | |
|------------|-------------|------|------|-------|-----------|------|------|-------|
| SPEED KTS | GE10 | GE15 | GE25 | OBS | GE10 | GE15 | GE25 | OBS |
| CATEGORY A | 5.0 | 1.3 | .1 | 54776 | 3.5 | .9 | .0 | 87641 |
| CATEGORY B | 6.3 | 2.8 | .6 | 57166 | 4.4 | 2.0 | .4 | 91171 |

| | | | | | |
|----------|-----------|-----------|------------|-----------|-----------|
| PPPPPPPP | AAAAAA | RRRRRRRR | TTTTTTTTTT | HH | HH |
| PPPPPPPP | AAAAAAA | RRRRRRRRR | TTTTTTTTTT | HH | HH |
| PP PP | AA AA | RR RR | TT | HH | HH |
| PP PP | AA AA | RR RR | TT | HH | HH |
| PPPPPPPP | AA AA | RRRRRRRRR | TT | HHHHHHHHH | HHHHHHHHH |
| PPPPPPPP | AAAAAAAAA | RRRRRRRR | TT | HHHHHHHHH | HHHHHHHHH |
| PP | AAAAAAAAA | RR RR | TT | HH | HH |
| PP | AA AA | RR RR | TT | HH | HH |
| PP | AA AA | RR RR | TT | HH | HH |
| PP | AA AA | RR RR | TT | HH | HH |

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PART H

DEGREE DAY SUMMARIES

DEGREE DAYS.

CREATED FROM HOURLY OBSERVATIONS (MAX+MIN/2 WHEN AVAILABLE), THESE TABLES GIVE THE THE NUMBER OF DEGREE DAYS FOR EACH MONTH IN EACH YEAR OF THE AVAILABLE PERIOD OF RECORD.

INCLUDED BENEATH EACH SUMMARY ARE STATISTICS BASED ON A 30-YEAR (1951-1980) POP (IF AVAILABLE). THE 30-YEAR POR PROVIDES AWS USERS WITH A SUMMARY CONSISTENT WITH OTHER STANDARD CLIMATIC PUBLICATIONS, NOTABLY THOSE OF THE NATIONAL CLIMATIC DATA CENTER (NCDC). NOTE THAT THE 30-YEAR POR WILL CHANGE TO 1961-1990 AS SOON AS DATA FOR DECEMBER 1990 HAS BEEN PROCESSED.

MONTHS WITH NO AVAILABLE DATA AND MONTHS WITH A VALUE OF ZERO APPEAR AS BLANKS IN THESE TABLES. ASTERISKS (****) DENOTE AN INCOMPLETE MONTH WITH A DAY (OR DAYS) THAT CANNOT BE CALCULATED (FILLED IN) AUTOMATICALLY.

HEATING DEGREE DAYS.

ONE "HEATING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE MEAN TEMPERATURE FALLS BELOW A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE ON A GIVEN DAY IS 57 DEGREES, THAT DAY IS SAID TO HAVE 8 HEATING DEGREE DAYS.

COOLING DEGREE DAYS.

ONE "COOLING DEGREE DAY" IS ASSIGNED TO REPRESENT EACH DEGREE THAT THE TEMPERATURE RISES ABOVE A DESIGNATED "BASE TEMPERATURE" OF 65 DEGREES* FAHRENHEIT. FOR EXAMPLE, IF THE MEAN TEMPERATURE FOR A GIVEN DAY IS 73 DEGREES, THAT DAY IS SAID TO HAVE 8 COOLING DEGREE DAYS.

*65 DEGREES FAHRENHEIT HAS BEEN SELECTED AS THE NATIONWIDE STANDARD "BASE TEMPERATURE" AT WHICH (AT LEAST THEORETICALLY) NO HEATING OR COOLING IS REQUIRED. IF ANOTHER BASE TEMPERATURE IS USED IN THESE TABLES, IT WAS SPECIALLY REQUESTED BY THE STATION, AND IS NOTED.

NOTE 1. THESE SUMMARIES ARE NOT AVAILABLE FOR PART TIME PERIODS.

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

HEATING DEGREE DAYS
FROM HOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 747320

STATION NAME: HOLLOMAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: JAN 48 - OCT 91

| YEARS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1948 | 854 | 551 | 519 | 75 | 9 | | | | 6 | 140 | 592 | 605 | 3351 |
| 1949 | 890 | 526 | 334 | 196 | 1 | | | | | 194 | 351 | 737 | 3229 |
| 1950 | 594 | 395 | 316 | 83 | 15 | | | | 2 | 2 | 373 | 544 | 2324 |
| 1951 | 681 | 529 | 373 | 163 | 33 | | | | | 39 | 451 | 629 | 2898 |
| 1952 | 501 | 547 | 477 | 118 | 11 | | | | | 74 | 501 | 698 | 2927 |
| 1953 | 516 | 558 | 284 | 109 | 94 | | | | | 111 | 403 | 827 | 2902 |
| 1954 | 592 | 380 | 382 | 25 | 24 | | | | | 76 | 383 | 670 | 2532 |
| 1955 | 771 | 629 | 328 | 137 | 18 | | | | | 59 | 408 | 572 | 2922 |
| 1956 | 588 | 641 | 319 | 160 | 1 | | | | | 109 | 559 | 734 | 3111 |
| 1957 | 513 | 275 | 345 | 148 | 23 | | | | 2 | 172 | 534 | 660 | 2672 |
| 1958 | 767 | 429 | 478 | 182 | 8 | | | | 13 | 131 | 441 | 645 | 3094 |
| 1959 | 649 | 509 | 412 | 121 | 10 | | | | | 70 | 524 | 665 | 2960 |
| 1960 | 804 | 656 | 260 | 96 | 26 | | | | | 119 | 397 | 881 | 3239 |
| 1961 | 754 | 503 | 355 | 139 | 6 | | | | 1 | 83 | 528 | 631 | 3000 |
| 1962 | 851 | 398 | 519 | 98 | 23 | | | | 2 | 117 | 435 | 695 | 3138 |
| 1963 | 861 | 539 | 386 | 103 | | | | | | 56 | 478 | 822 | 3245 |
| 1964 | 882 | 828 | 493 | 203 | 28 | 1 | | | 2 | 110 | 471 | 755 | 3773 |
| 1965 | 646 | 627 | 515 | 135 | 19 | 5 | | | 20 | 161 | 341 | 679 | 3148 |
| 1966 | 879 | 729 | 408 | 144 | 22 | | | | 2 | 185 | 411 | 767 | 3547 |
| 1967 | 830 | 659 | 374 | 147 | 94 | | | | 7 | 144 | 438 | 811 | 3504 |
| 1968 | 776 | 533 | 451 | 241 | 12 | | | | 1 | 94 | 461 | 758 | 3327 |
| 1969 | 534 | 536 | 569 | 90 | 53 | | | | | 120 | 506 | 674 | 3082 |
| 1970 | 749 | 518 | 488 | 164 | 34 | | | | 26 | 211 | 440 | 597 | 3227 |
| 1975 | 655 | 454 | 386 | 239 | 27 | | | | 21 | 100 | 487 | 705 | 3074 |
| 1976 | 769 | 454 | 428 | 121 | 45 | | | | 5 | 266 | 661 | 789 | 3538 |

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| | | | | | | | | | | | |
|-------|--------|-------|-------|-------|-------|------|-----|------|-------|-------|-------|
| 1977 | 756 | 535 | 441 | 122 | | | | 92 | 345 | 551 | 2842 |
| 1978 | 681 | 546 | 299 | 99 | 43 | | 28 | 143 | 365 | 698 | 2902 |
| 1979 | 788 | 528 | 395 | 166 | 46 | | 22 | 86 | 573 | 728 | 3332 |
| 1980 | 592 | 502 | 438 | 219 | 33 | | 2 | 230 | 534 | 614 | 3164 |
| 1981 | 681 | 512 | 445 | 79 | 11 | | 4 | 171 | 459 | 659 | 3021 |
| 1982 | 710 | 550 | 310 | 120 | 31 | | | 170 | 490 | 759 | 3140 |
| 1983 | 783 | 508 | 392 | 333 | 62 | | 3 | 101 | 416 | 665 | 3263 |
| 1984 | 716 | 604 | 383 | 188 | 8 | | 19 | 222 | 460 | 662 | 3262 |
| 1985 | 779 | 563 | 357 | 110 | 13 | 3 | 15 | 154 | 390 | 691 | 3075 |
| 1986 | 635 | 407 | 330 | 116 | 60 | 7 | 17 | 198 | 524 | 752 | 3046 |
| 1987 | 809 | 547 | 430 | 206 | 11 | | 4 | 43 | 486 | 796 | 3332 |
| 1988 | 722 | 492 | 414 | 160 | 36 | | 2 | 5 | 67 | 402 | 3063 |
| 1989 | 695 | 405 | 179 | 59 | 16 | | | 134 | 423 | 828 | 2739 |
| 1990 | 739 | 588 | 368 | 86 | 46 | | 3 | 128 | 401 | 651 | 3010 |
| 1991 | 706 | 491 | 420 | 115 | 3 | | 34 | 78 | | | 1847 |
| | | | | | | | | | | | |
| MEAN | 717 | 529 | 395 | 140 | 26 | 0 | 0 | 6 | 124 | 457 | 701 |
| SD | 107.28 | 99.56 | 79.49 | 57.71 | 22.82 | 1.41 | .32 | 9.37 | 57.78 | 72.83 | 80.84 |

B - 2 - 1A

OPERATING LOCATION "A"
USAFETAC, ASHEVILLE NC

COOLING DEGREE DAYS
FROM BOURLY OBSERVATIONS

BASE TEMPERATURE 65

STATION NUMBER: 747320

STATION NAME: HOLLOWAN AFB/ALAMOGORDO NM
LST TO UTC: + 7

PERIOD OF RECORD: JAN 48 - OCT 91

| YEARS | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1948 | | | | 74 | 208 | 447 | 557 | 503 | 296 | 44 | | | 2129 |
| 1949 | | | | 53 | 172 | 431 | 505 | 432 | 255 | 47 | | | 1895 |
| 1950 | | | 4 | 58 | 181 | 479 | 452 | 476 | 274 | 131 | | | 2055 |
| 1951 | | | 1 | 19 | 244 | 463 | 665 | 553 | 390 | 102 | | | 2437 |
| 1952 | | | | 13 | 197 | 520 | 539 | 589 | 305 | 42 | | | 2205 |
| 1953 | | | 7 | 30 | 177 | 556 | 597 | 554 | 328 | 49 | | | 2298 |
| 1954 | | | 6 | 103 | 246 | 458 | 600 | 478 | 388 | 114 | | | 2393 |
| 1955 | | | 2 | 41 | 133 | 392 | 422 | 452 | 343 | 41 | | | 1826 |
| 1956 | | | 4 | 22 | 276 | 546 | 510 | 458 | 352 | 106 | | | 2274 |
| 1957 | | | | 12 | 113 | 446 | 572 | 469 | 248 | 34 | | | 1894 |
| 1958 | | | | 46 | 252 | 523 | 576 | 517 | 279 | 21 | | | 2214 |
| 1959 | | | | 50 | 195 | 488 | 532 | 467 | 339 | 35 | | | 2106 |
| 1960 | | | 6 | 56 | 198 | 511 | 455 | 494 | 307 | 39 | | | 2066 |
| 1961 | | | | 51 | 246 | 437 | 545 | 479 | 227 | 35 | | | 2020 |
| 1962 | | | | 41 | 168 | 342 | 390 | 457 | 200 | 16 | | | 1614 |
| 1963 | | | | 33 | 230 | 405 | 528 | 377 | 242 | 22 | | | 1837 |
| 1964 | | | | 13 | 168 | 400 | 558 | 469 | 249 | 17 | | | 1874 |
| 1965 | | | | 28 | 113 | 324 | 513 | 391 | 212 | 22 | 1 | | 1604 |
| 1966 | | | | 8 | 183 | 329 | 525 | 364 | 181 | 21 | | | 1611 |
| 1967 | | | | 13 | 80 | 271 | 431 | 277 | 174 | 49 | | | 1295 |
| 1968 | | | 4 | 4 | 177 | 449 | 442 | 390 | 208 | 61 | | | 1735 |
| 1969 | | | | 32 | 186 | 398 | 516 | 506 | 241 | 101 | | | 1980 |
| 1970 | | | | 38 | 185 | 344 | 501 | 484 | 325 | 19 | | | 1896 |
| 1975 | | | | 23 | 133 | 428 | 520 | 438 | 181 | 21 | | | 1744 |
| 1976 | | | | 35 | 133 | 418 | 378 | 427 | 186 | 6 | | | 1583 |

| | | | | | | | | | | |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-----|------|
| 1977 | | 53 | 207 | 532 | 558 | 537 | 357 | 43 | 1 | 2288 |
| 1978 | 7 | 38 | 210 | 505 | 530 | 404 | 157 | 33 | | 1884 |
| 1979 | | 29 | 130 | 363 | 555 | 367 | 249 | 65 | | 1758 |
| 1980 | | 8 | 133 | 554 | 616 | 444 | 256 | 33 | | 2044 |
| 1981 | | 77 | 105 | 481 | 528 | 361 | 197 | 40 | | 1789 |
| 1982 | 1 | 36 | 109 | 414 | 541 | 486 | 256 | 23 | | 1866 |
| 1983 | | 21 | 87 | 300 | 481 | 433 | 287 | 26 | | 1635 |
| 1984 | 3 | 21 | 264 | 380 | 455 | 346 | 230 | 9 | 1 | 1709 |
| 1985 | 4 | 23 | 150 | 361 | 451 | 431 | 193 | 18 | | 1631 |
| 1986 | 1 | 43 | 82 | 240 | 285 | 326 | 128 | 3 | | 1108 |
| 1987 | | 8 | 97 | 323 | 490 | 391 | 157 | 50 | | 1516 |
| 1988 | 4 | 10 | 147 | 384 | 468 | 487 | 167 | 32 | 4 | 1703 |
| 1989 | 26 | 103 | 251 | 432 | 507 | 424 | 234 | 41 | | 2018 |
| 1990 | | 49 | 188 | 573 | 417 | 334 | 236 | 25 | | 1822 |
| 1991 | | 45 | 248 | 408 | 335 | 305 | 107 | 16 | | 1464 |
| | | | | | | | | | | |
| MEAN | 2 | 36 | 175 | 426 | 501 | 439 | 248 | 41 | 0 | |
| SD | 4.48 | 23.80 | 54.85 | 81.68 | 76.14 | 71.01 | 70.20 | 30.30 | .68 | |

B - 3 - 1A

| | | | | | | | | | | | | | | | |
|---|--|---------|---------|---------|-------|-------|---------|---------|---------|---------|---------|---------|---------------------|-----|--|
| A W S CLIMATIC BRIEF APR 92 | STATION NAME: HOLLOWAN AFB/ALAMOGORDO NM | | | | | | | | | | | | FIELD ELEV: 4093 FT | | |
| | LATITUDE/LONGITUDE: 32 51 N 106 06 W | | | | | | | | | | | | STATION MSC: 747320 | | |
| | HOURLY OBS POR: NOV 81 - OCT 91 | | | | | | | | | | | | CALL SIGN: KHMN | | |
| | SUMMARY OF DAY POR: SEP 42-OCT 91 | | | | | | | | | | | | SUPERSEDES: FEB 87 | | |
| HOURS SUMMARIZED: 0000 - 2300 LST | | | | | | | | | | | | | | | |
| LST TO UTC: +07 | | | | | | | | | | | | | | | |
| MONTH | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN | YOR | |
| EXTRM MAX TEMP (F) | 78 | 83 | 91 | 95 | 103 | 109 | 108 | 106 | 102 | 92 | 84 | 75 | 109 | 51 | |
| MEAN MAX TEMP (F) | 54 | 60 | 66 | 76 | 84 | 93 | 93 | 91 | 85 | 75 | 63 | 55 | 75 | 51 | |
| MEAN TEMP (F) | 41 | 46 | 52 | 61 | 69 | 79 | 81 | 79 | 72 | 62 | 49 | 42 | 61 | 51 | |
| MEAN MIN TEMP (F) | 28 | 32 | 37 | 46 | 54 | 63 | 68 | 66 | 59 | 48 | 35 | 28 | 47 | 51 | |
| EXTRM MIN TEMP (F) | -11 | 0 | 9 | 23 | 26 | 44 | 52 | 54 | 38 | 23 | 3 | 2 | -11 | 51 | |
| D/W TEMP GE 100 (F) | 0 | 0 | 0 | 0 | 1 | 5 | 4 | 1 | 1 | 0 | 0 | 0 | 12 | 51 | |
| D/W TEMP GE 90 (F) | 0 | 0 | # | 1 | 7 | 23 | 24 | 20 | 9 | 1 | 0 | 0 | 85 | 51 | |
| D/W TEMP LT 33 (F) | 23 | 16 | 9 | 1 | # | 0 | 0 | 0 | 0 | 1 | 12 | 23 | 85 | 51 | |
| D/W TEMP LT 10 (F) | 1 | # | # | 0 | 0 | 0 | 0 | 0 | 0 | 0 | # | 1 | 2 | 51 | |
| HEATING DEGREE DAYS | 717 | 529 | 395 | 140 | 26 | # | 0 | # | 6 | 124 | 457 | 701 | 3095 | 44 | |
| COOLING DEGREE DAYS | 0 | 0 | 2 | 36 | 175 | 426 | 501 | 439 | 248 | 41 | # | 0 | 1868 | 44 | |
| MEAN DEWPOINT TEMP (F) | 22 | 24 | 24 | 27 | 33 | 42 | 52 | 56 | 49 | 39 | 27 | 23 | 35 | 10 | |
| MEAN WET BULB TEMP (F) | 33 | 37 | 41 | 46 | 51 | 58 | 63 | 64 | 58 | 50 | 40 | 33 | 48 | 10 | |
| 99.95% WCPA (FT) | 4450 | 4500 | 4550 | 4500 | 4450 | 4350 | 4250 | 4200 | 4300 | 4350 | 4450 | 4500 | 4450 | 10 | |
| MEAN REL HUM 07 LST(%) | 64.9 | 60.3 | 49.5 | 39.9 | 38.2 | 42.4 | 55.4 | 65.3 | 65.6 | 64.5 | 58.6 | 65.1 | 55.8 | 10 | |
| MEAN REL HUM 13 LST(%) | 39.5 | 34.2 | 25.1 | 21.5 | 20.1 | 23.3 | 31.5 | 37.5 | 36.5 | 34.8 | 32.4 | 41.7 | 31.5 | 10 | |
| MAX 24HR PRECIP (IN) | 1.20 | .61 | 1.33 | .65 | 1.82 | 1.94 | 1.39 | 2.35 | 2.06 | 1.78 | 1.41 | 1.35 | 2.35 | 51 | |
| MAX PRECIP (IN) | 1.88 | 1.37 | 2.95 | 1.00 | 2.93 | 3.63 | 3.67 | 4.38 | 4.45 | 4.22 | 3.28 | 2.50 | 15.74 | 51 | |
| MEAN PRECIP (IN) | .49 | .40 | .30 | .18 | .39 | .72 | 1.29 | 1.49 | 1.25 | .93 | .44 | .57 | 8.44 | 51 | |
| MIN PRECIP (IN) | .00 | # | .00 | .00 | .00 | # | .01 | .19 | # | .00 | .00 | .00 | 2.50 | 51 | |
| D/W PRECIP GE .01 (IN) | 4 | 3 | 2 | 2 | 2 | 3 | 8 | 8 | 6 | 4 | 2 | 4 | 48 | 51 | |
| D/W PRECIP GT .50 (IN) | 1 | # | # | # | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 9 | 51 | |
| MAX 24HR SNFL (IN) | 4.0 | 4.1 | 4.0 | 3.7 | 0 | 0 | 0 | 0 | 0 | .9 | 3.8 | 6.8 | 6.8 | 45 | |
| MAX SNFL (IN) | 6.7 | 5.5 | 4.0 | 7.0 | 0 | 0 | 0 | 0 | 0 | .9 | 5.9 | 17.6 | 22.6 | 45 | |
| MEAN SNFL (IN) | 1.4 | .8 | .4 | .1 | 0 | 0 | 0 | 0 | 0 | # | .4 | 1.5 | 4.8 | 45 | |
| D/W SNFL GE .1 (IN) | 1 | 1 | 1 | # | 0 | 0 | 0 | 0 | 0 | # | 1 | 1 | 5 | 45 | |
| D/W SNFL GE 1.5 (IN) | 1 | 1 | # | # | 0 | 0 | 0 | 0 | 0 | 0 | # | 1 | 3 | 45 | |
| MAX DLY SNO DEPTH (IN) | 5 | 4 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | # | 6 | 8 | 8 | 45 | |
| PRVING WND DIR (DEG) | \$35-01 | \$14-16 | \$14-16 | \$23-25 | 17-19 | 17-19 | \$14-16 | \$17-19 | \$17-19 | \$17-19 | \$14-16 | \$14-16 | \$14-16 | 10 | |
| MEAN WND SPD (KTS) | 4 | 4 | 5 | 5 | 5 | 5 | 4 | 4 | 4 | 3 | 4 | 3 | 4 | 10 | |
| MAX WND SPD (KTS) | 67 | 49 | 51 | 67 | 69 | 55 | 57 | 60 | 45 | 50 | 58 | 49 | 69 | 40 | |
| SKY COVER GT 5/10 (%) | 37.3 | 42.1 | 38.9 | 32.7 | 28.3 | 30.3 | 45.2 | 47.5 | 34.1 | 28.8 | 32.0 | 38.5 | 36.3 | 10 | |
| D/W THUNDERSTORMS | 1 | 1 | 1 | 1 | 3 | 6 | 13 | 11 | 5 | 2 | 1 | 1 | 46 | 51 | |
| D/W FOG (VSBY LT 7 MI) | 2 | 1 | 1 | 1 | # | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 13 | 51 | |
| LEGEND: ANN = ANNUAL D/W = MEAN NUMBER OF DAYS WITH # = BASED ON LESS THAN FULL MONTHS ** = INSTANTANEOUS PEAK WINDS * = DATA NOT AVAILABLE | | | | | | | | | | | | | | | |
| POR/YOR = PERIOD/YEARS OF RECORD WCPA = WORST CASE MAXIMUM PRESSURE ALTITUDE # = LESS THAN 0.5 DAYS OR TRACE AS APPLICABLE \$ = PERCENTAGE OF CALM WINDS GREATER THAN OR EQUAL TO MEAN WIND DIRECTION | | | | | | | | | | | | | | | |

| | | PERCENT OCCURRENCE FREQUENCY OF CEILING AND VISIBILITY | | | | | | | | | | | | | |
|---|---------|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MONTH | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN | YOR |
| CIG LT 3000 FT AND/OR VSBY LT 3 MI | LST | | | | | | | | | | | | | | |
| | 00 - 02 | 3.8 | 3.4 | 1.4 | 1.7 | .1 | .2 | .1 | 1.1 | .8 | 2.2 | 3.2 | 5.7 | 2.0 | 10 |
| | 03 - 05 | 4.4 | 3.8 | 1.5 | 2.0 | .3 | .1 | .1 | .5 | 1.8 | 2.3 | 3.6 | 6.6 | 2.2 | 10 |
| | 06 - 08 | 4.4 | 5.1 | 2.3 | 1.9 | .1 | .0 | .0 | 1.1 | 2.9 | 1.9 | 2.4 | 7.5 | 2.5 | 10 |
| | 09 - 11 | 4.0 | 4.1 | 2.4 | 1.9 | .2 | .2 | .0 | 1.0 | 1.9 | 1.5 | 2.9 | 7.6 | 2.3 | 10 |
| | 12 - 14 | 2.6 | 2.8 | 2.2 | 2.0 | .2 | .0 | .0 | 1.3 | .9 | 1.9 | 3.3 | 5.3 | 1.9 | 10 |
| | 15 - 17 | 2.0 | 2.5 | 1.7 | 3.6 | .2 | .2 | .1 | .8 | .0 | 1.0 | 2.3 | 4.1 | 1.5 | 10 |
| | 18 - 20 | 3.0 | 2.0 | 1.2 | 2.9 | .4 | .3 | .1 | .1 | .4 | 1.2 | 2.1 | 4.1 | 1.5 | 10 |
| | 21 - 23 | 2.5 | 2.1 | .9 | 1.3 | .3 | .1 | .2 | .4 | .8 | 1.8 | 2.4 | 4.4 | 1.4 | 10 |
| | ALL | 3.3 | 3.2 | 1.7 | 2.2 | .2 | .2 | .1 | .8 | 1.2 | 1.7 | 2.8 | 5.7 | 1.9 | 10 |
| CIG LT 1500 FT AND/OR VSBY LT 3 MI | 00 - 02 | 2.8 | 1.8 | .6 | 1.6 | .1 | .2 | .1 | .4 | .3 | 1.2 | 2.8 | 4.3 | 1.3 | 10 |
| | 03 - 05 | 3.8 | 2.2 | 1.2 | 1.7 | .3 | .1 | .1 | .2 | .6 | 1.5 | 2.4 | 5.4 | 1.6 | 10 |
| | 06 - 08 | 4.1 | 3.3 | 1.2 | 1.3 | .0 | .0 | .0 | .6 | 1.2 | 1.4 | 2.0 | 6.0 | 1.8 | 10 |
| | 09 - 11 | 3.8 | 2.6 | 1.5 | 1.3 | .0 | .0 | .0 | .2 | .9 | 1.1 | 2.2 | 5.5 | 1.6 | 10 |
| | 12 - 14 | 2.3 | 1.4 | 1.4 | 1.7 | .1 | .0 | .0 | .5 | .1 | .8 | 2.0 | 3.9 | 1.2 | 10 |
| | 15 - 17 | 1.2 | 1.3 | 1.2 | 3.0 | .2 | .2 | .1 | .2 | .0 | .3 | .8 | 3.0 | 1.0 | 10 |
| | 18 - 20 | 1.7 | 1.4 | .8 | 2.9 | .4 | .3 | .1 | .1 | .2 | .1 | .8 | 2.6 | .9 | 10 |
| | 21 - 23 | 1.5 | .6 | .4 | 1.1 | .3 | .1 | .2 | .3 | .2 | .4 | 1.4 | 3.5 | .8 | 10 |
| | ALL | 2.6 | 1.8 | 1.0 | 1.8 | .2 | .1 | .1 | .3 | .4 | .8 | 1.8 | 4.3 | 1.3 | 10 |
| CIG LT 1000 FT AND/OR VSBY LT 2 MI | 00 - 02 | 2.3 | 1.7 | .3 | 1.0 | .0 | .0 | .0 | .1 | .1 | .8 | 1.9 | 3.5 | 1.0 | 10 |
| | 03 - 05 | 3.2 | 1.8 | .6 | 1.1 | .2 | .0 | .0 | .2 | .1 | 1.3 | 1.6 | 4.5 | 1.2 | 10 |
| | 06 - 08 | 3.7 | 2.6 | .8 | .6 | .0 | .0 | .0 | .3 | .6 | 1.2 | 1.7 | 5.2 | 1.4 | 10 |
| | 09 - 11 | 3.3 | 2.4 | .9 | 1.2 | .0 | .0 | .0 | .1 | .4 | .5 | 1.7 | 4.4 | 1.2 | 10 |
| | 12 - 14 | 1.5 | .7 | .5 | 1.4 | .1 | .0 | .0 | .3 | .0 | .3 | 1.0 | 3.0 | .7 | 10 |
| | 15 - 17 | .8 | .9 | .9 | 1.7 | .0 | .1 | .1 | .2 | .0 | .1 | .1 | 2.3 | .6 | 10 |
| | 18 - 20 | 1.3 | 1.1 | .5 | 1.9 | .2 | .2 | .0 | .0 | .0 | .0 | .6 | 2.4 | .7 | 10 |
| | 21 - 23 | .9 | .5 | .1 | .8 | .1 | .0 | .1 | .0 | .0 | .1 | 1.1 | 2.8 | .5 | 10 |
| | ALL | 2.1 | 1.4 | .6 | 1.2 | .1 | .0 | .0 | .2 | .2 | .5 | 1.2 | 3.5 | .9 | 10 |
| CIG LT 200 FT AND/OR VSBY LT 1/2 MI | 00 - 02 | 1.0 | .4 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .4 | 1.2 | .2 | 10 |
| | 03 - 05 | 1.1 | .4 | .2 | .0 | .1 | .0 | .0 | .0 | .0 | .3 | .4 | 1.1 | .3 | 10 |
| | 06 - 08 | 1.4 | .9 | .3 | .0 | .0 | .0 | .0 | .0 | .1 | .5 | .4 | 1.2 | .4 | 10 |
| | 09 - 11 | 1.0 | .0 | .2 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | 1.1 | .2 | 10 |
| | 12 - 14 | .3 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .0 | 10 |
| | 15 - 17 | .2 | .1 | .0 | .2 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .2 | .1 | 10 |
| | 18 - 20 | .5 | .0 | .0 | .0 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .3 | .1 | 10 |
| | 21 - 23 | .3 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .6 | .1 | 10 |
| | ALL | .7 | .2 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | .1 | .2 | .7 | .2 | 10 |
| HURRICANES/TROPICAL STORMS OBSERVED : NONE | | | | | | | | | | | | | | | |
| REMARKS : @ | | | | | | | | | | | | | | | |

DISTRIBUTION

| | |
|---|---|
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DIST